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# GRISWOLD SEED and NURSERY CO.

LINCOLN

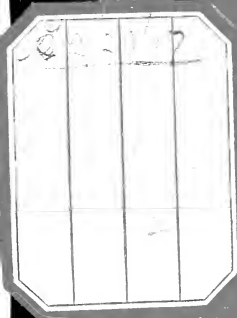
NEBRASKA

JOHN BAER  
PKT. 15¢



27<sup>TH</sup> ANNUAL

1917



DELICIOUS GOLD LINED  
PKT. 10¢

# General Directions to Customers

OUR CONSTANT AIM IS TO MAKE THE HIGHEST QUALITY THE FIRST CONSIDERATION, AND NEXT, TO PUT OUR PRICES AS LOW AS GOOD SEED CAN BE SOLD

The best time to order is just as soon as you receive this catalog. We can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the enclosed order sheet, as it makes it more convenient for us in filling orders. You will note it can be used on both sides. Please write as plainly as possible, as it helps avoid making mistakes in filling your orders.

**TESTED SEEDS.** For several years past we have tested all garden, field, and grass seed. We have a large tester, built according to the plans approved by the Government Department of Agriculture. The value of tested seeds to the buyer cannot be over-estimated. It is an assurance to you that the seed is full of vigorous life and vitality, and that if you plant under proper conditions and follow our instructions you will not be disappointed.

**ERRORS.** We exercise the utmost care in filling orders, striving to do a little more than we offer; yet in the press of business errors sometimes occur, in which event we wish to be promptly notified of the fact and will make such corrections as will be satisfactory. Errors made in printing are subject to correction. Please keep copies of all your orders for comparison.

**OUR TERMS** are cash with order. We cannot ship C. O. D. unless you remit at least one-fourth of the amount of the order. It always costs you extra for goods to come that way. We will take your personal check if you add 15 cents for exchange, but will hold order till banks report checks paid. Better send us Draft, Money Order, or Registered Letter. We always refund your money if we cannot fill order.

**MARRIED WOMEN** will save confusion in correspondence by always using husband's initials.

**YOUR ORDER** is acknowledged the day it is received, and filled just as soon as possible.

**HOW WE SHIP.** We ship all heavy goods by freight at your expense, unless otherwise instructed. We send you duplicate bill of lading, showing date, number of bags sent, and route. All plants and perishable goods are sent only by express at your expense, unless quoted "prepaid," in which case we send by mail or prepaid express, and notify you.

**SAFE ARRIVAL.** We guarantee all goods except sweet potatoes to arrive safely and will refund you for any loss, providing you have Agent make notation of such loss on expense bill and return it to us. This applies on Irish potatoes if time of shipment is left to our judgment.

We also guarantee all seeds that we send out at catalog prices to be carefully selected, and tested. We are always pleased to make good any mistake, but all complaints must be made within 15 days from receipt of goods. On account of weather conditions, etc., we cannot guarantee the crop. You can have the Experiment Station test any of our seed and if not satisfactory will take it back and refund to you.

**OUR RESPONSIBILITY.** We have been in business here for 27 years. We would be pleased to have you write (enclosing stamp) any bank or business firm here in Lincoln as to our standing.

**LARGE ORDERS.** Any market gardener, association, or individual requiring large quantities of seeds, are invited to write for special prices. Although we have made our prices in this catalog very low, yet when a considerable quantity in pounds or bushels is wanted, we are in a position to supply at a lower price than by the single pound or bushel. We wish it to be distinctly understood, however, that we will not sacrifice quality in so doing. Mail us a list of your wants, and we will submit to you our lowest cash price for the lot.

**FALL CATALOG.** Our fall catalog will be ready about July 1. It is brimful of seasonable seeds, plants and bulbs to plant during the summer and autumn months. Don't fail to write for a copy if you do not receive one.

**ORDERS WITHOUT MONEY OR ADDRESS.** Every year we get hundreds of orders from our customers unsigned. We have at present on our files a number of orders for various amounts, which we are unable to send out as we don't know where to forward them. Every day or so we get a long letter of complaint from some customer, upbraiding us for not sending his seeds promptly. Then we get real busy with this file and endeavor to locate the order. Often it is a hard proposition. So, if you do not hear from us within a reasonable length of time after you mail your order, send us a duplicate order, naming the date on which the former order was sent, the amount of money enclosed, and in what form. We want to satisfy you and don't want you to complain about our service—if we can help it.

**DISCLAIMER.** As seeds, plants and bulbs are subject to climatic and other conditions over which we have no control, after once being placed in the ground, therefore, **Griswold Seed & Nursery Co.** give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any seeds, plants or bulbs they send out, and they will not be in any way responsible for the crop, and every order for seeds, plants, and bulbs named in this catalog will be executed on these conditions only. If the purchaser does not accept same on these terms, they are at once to be returned.

**FREE SAMPLES.** We are always too glad to send you free samples of Corn, Grass, and other Field Seed, for testing purposes. You are not imposing on our good nature when you ask us to send you these samples, for we know the quality of the samples will bring us your big order.



# Cover Collection

**A LARGE, FULL SIZED PACKET OF EACH.**

**JOHN BAER TOMATO, ADMIRAL TOGO BEAN, ARISTOCRAT SWEET CORN, DELICIOUS GOLD LINED MUSK MELON, LITTLE MARVEL PEA, AND NEW SPARKLER RADISH, ALL FOR 50c POSTPAID**

## JOHN BAER—The Best Tomato on Earth

We are indeed glad to offer our many customers "John Baer" Tomato Seed again this season. "John Baer" Tomato is the most Talked of Tomato in both America and Europe today. Its wonderful merits and intrinsic worth have attracted attention all over the world. It produces perfect solid high crown, beautiful red tomatoes in 30 days. 50 to 100 fruit to each plant.

Every "John Baer" Tomato ripens evenly, right up to the stem, no cripples, no scalds, no blight, no cracked, no wrinkled, no one-sided, uneven scarred fruit. When dead ripe "John Baer" Tomato will not burst. It has a wonderful glistening bright red color, and a mild, deliciously sweet flavor, is almost seedless, a marvelous stem setter, often 10 fruit in first cluster, solid and meaty.

"John Baer" Tomato seed was saved only by John Baer, the originator, who personally selected and picked every tomato from which he saved this seed, selecting only the most beautiful, perfect fruit of the early Stem Set Clusters. It is the offspring of two marvelous Tomatoes—One Great Specialist having devoted 10 years in selecting and improving one parent and another expert devoted five years in selecting and improving the other parent. The "John Baer" Tomato is therefore the result of fifteen generations of improvement and selection for earliness, quality, shape, fruit, color and shipping quality. Price, pkt. 15c;  $\frac{1}{4}$  oz. 60c; oz. \$1.00;  $\frac{1}{4}$  lb. \$2.50.

Lancaster County, Nebr.

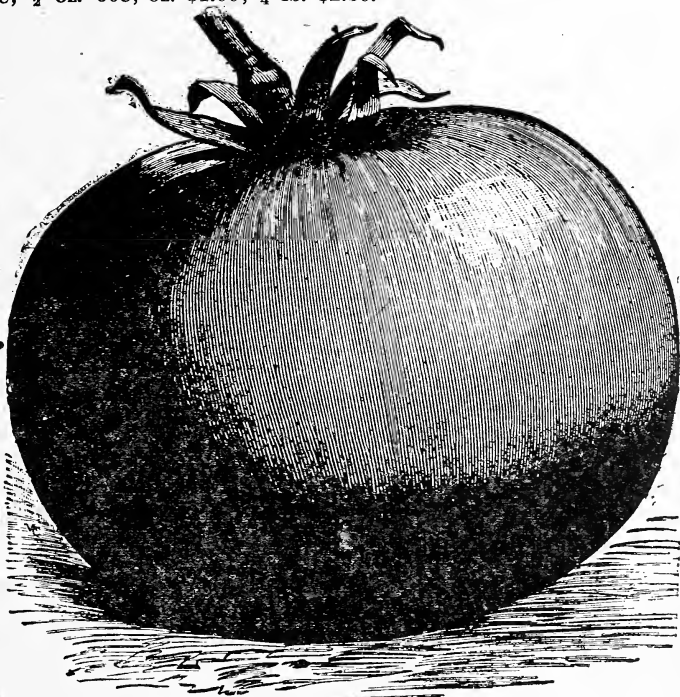
Gentlemen:

You will no doubt remember the "John Baer" Tomato Seed I got from you last spring, and I want you to know that for me it has been the earliest, smoothest as well as the most prolific tomato that I have ever grown. My plants when set out were small and under sized but they outgrew and outthrew any tomato I had, bearing  $\frac{1}{4}$  to  $\frac{1}{2}$  lb. tomatoes until frost killed them. I had sixty plants and from these sixty plants we canned 50 quarts, made 12 quarts of preserves and 25 pints of catsup—By the way! This is the best canning tomato we have been able to get—besides what we canned we sold 5 bus., gave some to our neighbors and had all the tomatoes that we, a family of four, could eat all summer.

I gave a neighbor three plants and from these three plants they canned 25 quarts and had all that their family of three wanted to eat all summer.

"John Baer" is undoubtedly the best tomato on the market today.

Very truly yours,  
F. W. MEYER.



JOHN BAER

## ADMIRAL TOGO

Greatest Rust Resisting Bean

This grand bean is a wax podded sort with wonderfully handsome and attractive pods averaging 6 inches in length and of an unusually desirable shade of yellow. The table quality is delicious, having a peculiar delicate flavor which so pleases the consumer that he soon learns to ask for "Togo's." This sort is usually free from rust and other diseases. One customer writes that he had a strip of them between Valentine on one side and Davis' Wax on the other, and that while these two sorts were badly damaged, the Admiral Togo was perfectly clean and healthy. Its extreme earliness is also a valuable characteristic, coming, as it does, only about three days behind Extra Early Red Valentine. Last season it came into market eight days earlier than Davis' Wax. In productiveness the Admiral Togo is a wonder. It is a grand combination of Extreme Earliness. Wonderful Productiveness. Exquisite Quality and Disease Resistant. We highly recommend it. Price, pkt. 10c; pt. 60c; qt. \$1.00; postpaid.

## ARISTOCRAT

The Peer of All Sweet Corn

This delicious sweet corn was first introduced a few years ago. It is a reliable extra sort, which was for many years controlled by a prominent gardener who supplies truck to the aristocrats of Newport, R. I. It is an extra early variety, stalks grow 4 to 6 ft. high and ears are of large size. The grains are extremely sweet, and, being broad, allow of easy scoring with a knife preparatory to buttering when eating from the cob. Price, pkt. 10c; pt. 25c; qt. 45c; 2 qts. 75c; postpaid.

## DELICIOUS GOLD LINED

A Leading Musk Melon

This strain of the Eden Gem type is the result of several years' selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs and it is heavily netted over the entire melon. Is thick meated, fine grained and sweet; color green with a gold margin next to the seed cavity. Price pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.00; postpaid.

## LITTLE MARVEL

A Splendid Pea

An extremely valuable variety, especially suited to small home gardens, and is also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs and are closely filled with seven to eight peas of extra fine flavor. Price pkt. 10c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

## NEW SPARKLER

Quickest Maturing Radish

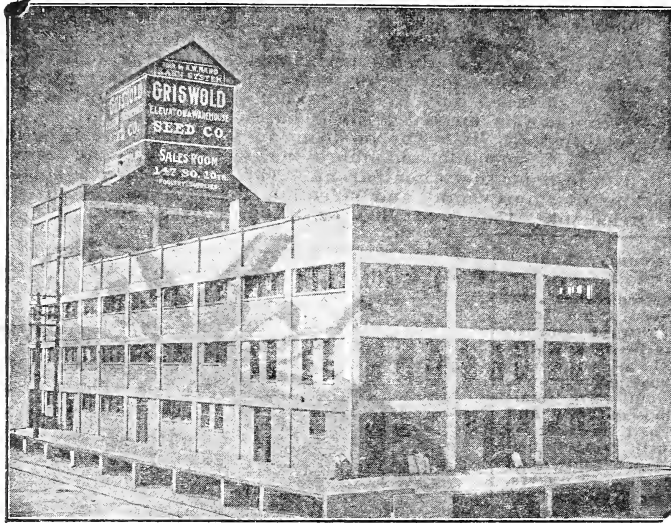
A distinct, new 18 to 21-day radish; has a beautiful bright scarlet top, with tip to purest white. It is solid, crisp and sweet, remaining so for a long time. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00; postpaid.



# Lincoln Brand Seeds



BIG  
CROP  
SEEDS



SURE  
TO  
GROW

This is our warehouse where we clean and store the immense seed stocks that are required to fill your orders.

Dear Friend:

In submitting for your consideration our catalog for 1917 we want to sincerely thank those who have favored us with their orders the past year and have assisted us in building up our immense and growing business. We believe that our success has been attained largely because of the high quality and adaptability of Griswold's seeds. Our 27 years of seed experience enables us to furnish you with just the kind of seed you should have.

It does us an unmeasurable amount of good to know that seed planters generally are realizing and appreciating the importance of buying the best seed obtainable. We just want to assure you in this short foreword that it is our intention to exercise the same care in the future as we have in the past to place at the command of every seed buyer the knowledge and experience we have attained during all these years. From a small beginning our transactions have attained large proportions, selling and shipping seed, not alone to every state in the Union, but to many foreign countries. This could not be done if we did not give the best of care to each individual order. Our organization and equipment are such that orders can be executed rapidly, and we aim to give every order, small or large, prompt and careful attention.

In conclusion we want you to read this book carefully. We believe it will help you to solve the question of the high cost of living. It costs no more to make a garden now than in former years. With everything at the grocery store about double in price, now is the time to decide to plant and raise a good garden and be independent of high prices.

In this catalog you will find many good suggestions for making your garden and farm more profitable. This year we have gone to an unusual expense to find and catalog new varieties of both garden and field seeds. In this way we keep our business right up to date.

Hoping that you will show your appreciation by giving us your seed orders, we are,

Yours very truly,

GRISWOLD SEED AND NURSERY CO.





# WHITE WONDER MILLET

A Russian soldier, serving in the Russo-Japanese War, discovered this wonderful millet in China. He put a little of the seed in his knap-sack and when the war was over he came to the United States bringing his precious packet of seed with him.

White Wonder Millet has been raised in western Kansas for several years and it is just as hardy and vigorous as other millets.

The most striking feature of White Wonder Millet is the size of the heads. This illustration gives an idea of the size of one of the heads and many will be even larger than this one. The heads will run from eight up to eighteen inches and a single head will have as many as 15,000 seeds.

The yield of White Wonder Millet is extremely heavy, being fully half again as heavy as that of German Millet. Some growers of White Wonder Millet claim that it will out-yield other millets three to one.

Another very desirable feature of White Wonder Millet is its earliness. This variety is much earlier than German Millet but not quite as early as the Siberian variety.

The foliage is very heavy, the leaves broad, and therefore it produces an immense amount of excellent fodder which cures very readily.

We believe that on account of the earliness, the immense yield of both grain and fodder, and the very vigorous growth which leave the ground clean, White Wonder Millet will soon take first place among the millets.

Price, 15c per lb.; postpaid. By express or freight 10 lbs. 75c; 100 lbs. \$6.75.

# Shrock Kaffir-Sorghum

**THE NEW MIRACLE FORAGE CROP— GREAT DROUGHT RESISTER—REMAINS GREEN UNTIL FROST—WILL NOT HEAT IN STACK**

Three years of careful study, three years of rigid tests, three years of exacting comparisons, three years of painstaking experiments has demonstrated beyond a particle of doubt that we have a new and distinct type of Kaffir-Sorghum of surpassing merit.



## WHAT IS THIS GREAT PLANT?

We ourselves are satisfied it belongs to the Kaffir group of sorghums, although it is as sweet as some of the saccharin sorghums.

The United States Agronomist is practically of the same opinion, in fact, he suggested the name it now bears.

It is a type radically distinct from any of the Sorghum family.

## ITS REMARKABLE VIGOR

Sown alongside of Kaffir, Milo and Feterita in drought seasons, the former have literally burned up while Schrock produced immense crops. Has demonstrated when sown alongside of above types that it will remain green until frost kills it, when the others have died long before.

Will produce twice as much seed as most of the Kafirs and Sweet Sorghums. Will produce as much forage as any of the Dwarf Kafirs. Its dwarf growth enables it to be handled with less expense.

## ITS HISTORY

In the summer of 1911, Mr. Roy Schrock, a Rural Mail Carrier of many years' farming experience, noticed growing on a piece of raw prairie land near a wet weather creek, dry as a bone ten months a year, a strange plant somewhat similar to Kaffir Corn, the stalks of which were about 3½ feet high, unusually leafy with exceptionally large heads.

Mr. Schrock watched, inspected and studied the plant daily, it having become a sight wonderful to behold. However, one day it disappeared entirely, when Mr. Schrock learned for the first time—that a number of other farmers had detected this amazing plant, one of whom had taken it. The party, however, afterwards surrendered the seed to Schrock.

Just how this plant came to be in that isolated barren spot is shrouded in mystery. The only logical explanation seems to be that it was carried from some unknown country by a bird, in its annual migration.

Mr. Schrock has raised Sorghum Canes for many years by the hundred-acre patches. He knew he had something unusually good when he set eyes upon it.

The United States Government investigated Schrock's new find tried it out at their experimental stations where it gave remarkable records for itself and bought 50 bushels for distribution.

Since its discovery it has been systematically tested in every section of the United States with astoundingly favorable results.

## METHOD OF PLANTING

**ITS GREAT MERITS**  
The stalks are sweet. Cattle eat it down to the roots. Horses gnaw it to the last piece. Stock will leave alfalfa for it. Stock will avoid sweetest hay for it. Matures ten days earlier than Feterita. Matures twenty days ahead of Kaffir. Easily two weeks in advance of Amber Cane. Seldom yields less than 50 bushels per acre. Frequently yields as high as 78 bushels per acre. Yields three tons of hay per acre. Ready for cutting before any other Cane. It is of dwarf growing habit. Is very stalky and a great stooler. Very nutritious as a silage. Greater drought resister than Feterita. Matures with exceptional uniformity. Fields are remarkable for even growth. It is not a hybrid. Branch heads keep coming up till frost. Grows from 3½ to 5 feet high. Very easy to handle in harvesting. One seed often shoots 4 or 5 stools. It never lodges or droops its heads. Better seed producer than any of the Sorghums.

Plant early. As soon as the ground is warm enough for corn it is all right for this plant. By planting early the growing season is placed ahead of the summer drought and the moisture left from the spring rains will mature it nicely. The plant stays green until frost. The originator, Mr. Schrock, has never seen it dry enough to burn up before frost. Let this grain stand until frost. The seed from ripe heads will not shatter nor the stalks fall or lodge. The seed should be sown in rows 3 ft. apart. Three lbs. of seed is sufficient for one acre if sown in drills, if sown broadcast sow at the rate of 50 lbs. per acre, cover with about two inches of dirt and be sure to give shallow cultivation. Price lb. 35c; 5 lbs. \$1.50; postpaid. By freight, 10 lbs. \$1.35; 25 lbs. \$3.00; 50 lbs. \$5.50; 100 lbs. \$9.50.



# New Seeds and Novelties

## GOLDEN PONDEROSA

One of the most interesting novelties ever introduced. It equals Ponderosa in size but bears rich, golden-yellow fruits in abundance.

A yellow tomato that has color to distinguish it. Is not entirely novel. Many such varieties have been introduced, but, have failed to gain popularity, owing to lack of flavor or some other essential, have disappeared from cultivation. Golden Ponderosa is equal in every respect to its parent the red Ponderosa, possessing all the qualities that have made our Ponderosa a household word throughout the land, and, in addition, has the striking color which compels instant attention. It originated as a "Sport" from the red Ponderosa and comes remarkably true; but some parti-colored fruits may be expected. These but add interest to it. But that which differentiates it from all other sorts is its conspicuous and striking appearance when served sliced with the red Ponderosa. This combination produces an effect appealing to the appetite, and supplies a decorative table effect both novel and attractive. Price pkt. 10c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c; 1 oz. 75c;  $\frac{1}{4}$  lb. \$2.50.

## COLOSSAL TOMATO

The Colossal Tomato is not only a large tomato, but is simply colossal in size. It is the largest tomato in cultivation. Existing mammoth or ponderous tomatoes are not in it with the Colossal. It is a tomato of fine quality. It is practically coreless and seedless. Its flavor is of the best, has none of that biting acid taste that is often found in other varieties, but is always sweet, mildly acid, melting, cool and pleasant tasting. It is the very best tomato for canning. The Colossal is the tomato for the experienced gardener for this tomato does its best and attains its largest size when grown on a trellis or fastened to stakes. Care should be taken, however, to tie close to the fruit or the great size will break the stems. Price pkt. 10;  $\frac{1}{4}$  oz. 35c;  $\frac{1}{2}$  oz. 60c; 1 oz. \$1.00.

## BIG DWARF TOMATO

The original plant of the Big Dwarf Tomato was found in a large field of Ponderosa. Its vines would indicate a cross with the Dwarf Champion while the fruit is quite similar to the Ponderosa but smoother. We all know what a vining habit the Ponderosa has but that the tomatoes are hard to beat. The Big Dwarf seems to do away with the extra long vines while the fruit is just as good if not better. The vines of the Big Dwarf tomato require only about one-fourth the space, the fruits are immense, being far the largest fruited erect growing sort in cultivation. The color is a rich crimson tinted with purple, making it very attractive. Price pkt. 10c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c; 1 oz. 75c;  $\frac{1}{4}$  lb. \$2.50.

## HONEY DEW MELON

The original seed of this new melon was secured from a melon shipped from Africa to New York City. This seed was planted at Rocky Ford,

Colo., and crossed with the genuine, original "Rocky Ford" cantaloupe by polenization. The following season this hybrid seed was again crossed with the Improved Hybrid Cassaba. It was named "Honey Dew" because it is as sweet as honey and has the mingling of several flavors,—pineapple, banana and vanilla predominating. The average size of the melon is six inches in diameter and seven to eight inches in length, weighs five to six pounds. The skin is smooth with an occasional net, is a creamy yellow when ripe. The flesh is an emerald green, very thick, melting, and very fine grained, can be eaten to the extreme rind. The seed cavity is very small, the rind impervious to water, the melon does not shrink in weight, is not easily bruised and is a splendid shipper. It matures about ten days later than the Rocky Ford strains and is very prolific. Yields at the rate of 8,000 to 10,000 late maturing ones may be kept until Christmas. Will grow where Rocky Ford varieties will thrive. Price pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.30; lb. \$4.90; postpaid.

when ripe and will keep for several weeks; the melons per acre. The melon slips from the vine

## BABY GOLDEN POPCORN

Smallest popcorn in existence. It is very prolific, producing from 5 to 10 ears on a single plant. The stalks do not exceed 3 feet in height and the ears from  $1\frac{1}{2}$  to  $2\frac{1}{2}$  inches in length. The kernels are but very little larger than a kernel of rice, of a handsome, lustrous, light golden color, and pop without leaving any hard center. We recommend it most highly and with all its good qualities you will find it the prettiest popcorn you have ever seen, both on the ear and when popped. Price pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 35c; postpaid.

## PAPAGO SWEET CORN

We call it Papago because a few kernels were found several years ago on the Papago Indian Reservation south of Tucson, Ariz. It thrives well on heat and grows and produces admirably in an arid section. The stalks grow to a height of about 7 ft. and each one produces from 2 to 4 well filled ears of the sweetest and most delicious corn one ever ate from a cob. In a hot, dry section it will out yield all varieties of Sweet Corn nearly 10 to 1. Price pkt. 10c; pt. 30c; qt. 55c; 2 qt. \$1.00; postpaid.

## SANTA CLAUS MELON

Just think of having a melon to eat with your Christmas dinner! But this is what is claimed by the originator of this wonderful novelty. There is no seed cavity. The seeds are embedded in a jelly like pulp. The light green flesh is absolutely stringless; its flavor excels anything in the melon line; it is in a class by itself, and is beyond description. When first taken from the vine the rind is crisp and very hard; after four or five weeks there is less crispness to the touch and a slight giving way to pressure. This melon should become more popular than the Rocky Ford, because it is more delicious and it is a Christmas melon. Price per pkt. 10c.

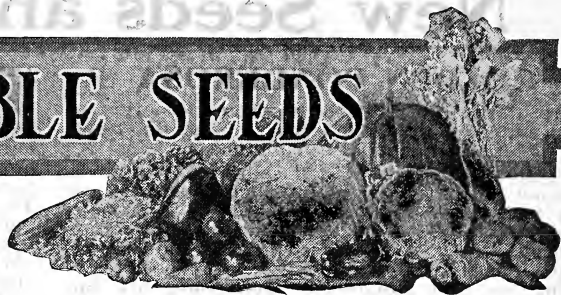
## Penny Rose Sale

Every home should have one or more rose bushes—the greatest flower of them all. One of the most beautiful roses we know anything about is the Gruss an Teplitz (Virginia R. Cox) Rose. Very hardy flower. Grows freely in all sections to a height of 4 to 5 feet. Produces a mass of gorgeous blooms on long stems. A vivid, dazzling, fiery crimson; sweetly fragrant. To introduce this new, beautiful rose to you we make this special penny offer. Send us an order for one at our regular price of 15c and add 1 penny more or 16c in all, and we'll send 2 plants. Or, if you prefer, we'll send 1 crimson rambler at regular 15c price and this new rose for 1c extra. This offer is so liberal we confine it to 1 order and to 1 member of a family.



# VEGETABLE SEEDS

At prices named we pay postage on  
Seeds by Packet, Ounce, Pound,  
Pint, Quart.



## Discount on Seeds in Packets

Any six of our large 5 cent packages for 25c; 13 for 50c; 28 for \$1.00

**NOTE:** Please Order Collections by Number. Collections cannot be broken.

## Asparagus

One ounce to 50 feet of drill; 5 pounds to the acre

Sow in March or April, in good mellow soil, after soaking the seed 24 hours in warm water, in drills one foot apart, and one inch deep. During the summer keep the soil mellow and free from weeds, thinning the plants to 4 inches apart. The following spring transplant into permanent beds that have been deeply dug and highly manured.

**BARR'S MAMMOTH.** An early, large-stemmed, green variety. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 70c; postpaid.

**COLUMBIAN MAMMOTH WHITE.** Produces white stalks of large size and finest quality. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 70c; postpaid.

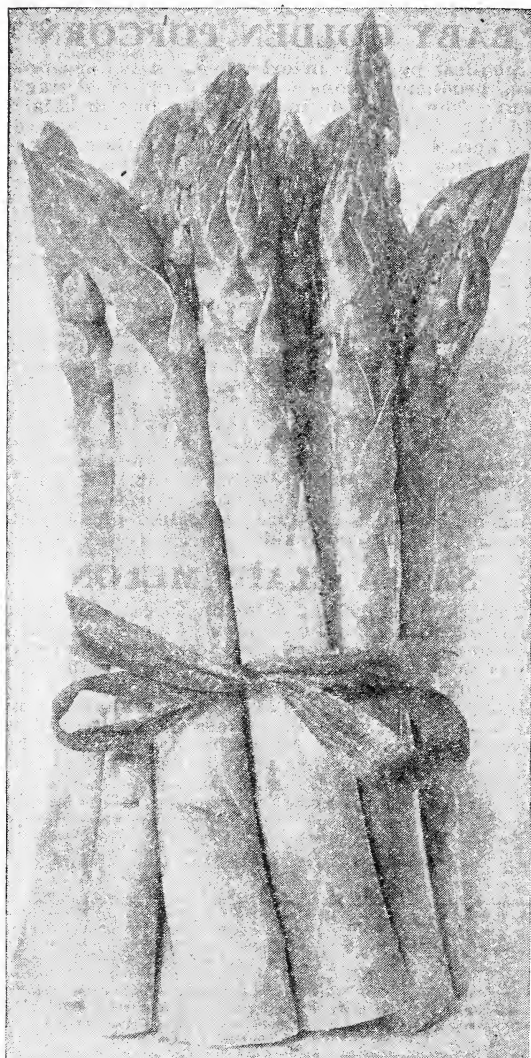
**CONOVER'S COLOSSAL.** A mammoth, green sort of the best quality. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 70c; postpaid.

**PALMETTO.** An early, green sort, prolific and very desirable. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 70c; postpaid.

## Asparagus Roots

The ground should be well manured and deeply spaded, the roots planted two feet apart, one foot apart in the row, and at least six inches deep. These will be ready to use in two or three years. 15c per dozen; 50 for 60c; 1.00 per 100, postpaid. 35c for 50; 60c per 100, by express at your expense.

See Our  
Garden Collections  
Page 42



PALMETTO

WATCH FOR THE BARGAINS IN THIS BOOK



# Beans

**Earliest varieties, ready for table in 40 days; 1 pint to 10 feet of drill; 1 bushel per acre.**

The soil best adapted to beans is a light, rich, well-drained loam, which was manured for the previous crop. Beans are extremely sensitive to both cold and wet and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills from two to three feet apart and leaving the plants two to six inches in the row. Up to the time of blossoming they should have frequent shallow cultivation. Never hoe when the vines are wet, as the pods will become discolored. For succession plant every two weeks. If by express at your expense deduct 8c per pint; 15c per quart. For prices on larger lots see our Market Gardeners' Price List, pages 40 to 41.

## Bush or Snap

### WAX or YELLOW POD VARIETIES

**ADMIRAL TOGO.** This grand bean is a wax podded sort with wonderfully handsome and attractive pods averaging 6 inches in length and of an unusually desirable shade of yellow. The table quality is delicious. This sort is usually free from rust and other diseases. Its extreme earliness is also a valuable characteristic, coming, as it does, only about three days behind Extra Early Red Valentine. In productiveness the Admiral Togo is a wonder. It is a grand combination of Extreme Earliness, Wonderful Productiveness, Exquisite Quality and Disease Resistant. We highly recommend it. Price, pkt. 10c; pt. 60c; qt. \$1.00; postpaid.

**CURRIE'S RUST PROOF WAX.** The vine is very vigorous, hardy, and an early and abundant bearer. The pods are long, flat and straight, and of a light yellow color. The beans when ripe are a bluish black. It is an excellent shipper. Price, pkt. 5c; pt. 45c; qt. 75c; postpaid.

### DAVIS' KIDNEY WAX.

The large beans are pure white, kidney shape excellent for cooking, green or dry. The pods while young are stringless, tender and of excellent flavor, very long, straight, flat and clear, waxy white. Very productive. Price, pkt. 5c; pt. 45c; qt. 75c; postpaid.

### GERMAN BLACK WAX.

A popular variety; pod a waxy yellow, solid, tender, almost transparent, stringless, seeds when ripe jet black. Price, pkt. 5c; pt. 45c; qt. 75c; postpaid.

**GOLDEN WAX.** A standard sort. One of the earliest beans in the market. The pods are of good length, flat, but quite thick and broad. They are waxy, golden yellow, and of fine, buttery flavor. Hardy and productive. Price, pkt. 5c; pt. 45c; qt. 75c; postpaid.

**IMPROVED GOLDEN WAX.** Pods are thicker than those of Golden Wax, and of better quality. Price, pkt. 5c; pt. 45c; qt. 75c; postpaid.

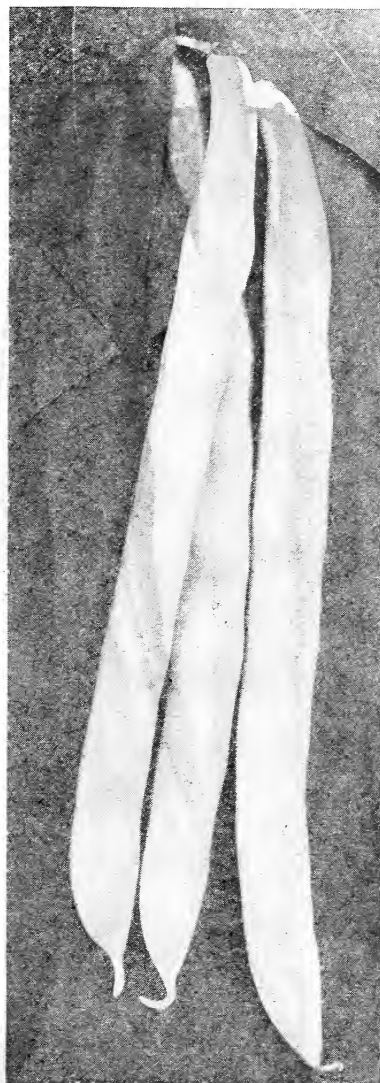
**WARDWELL'S KIDNEY WAX.** Pods long, flat, nearly straight, white, handsome and of good quality. One of the very best beans, large, kidney-shaped, white with dark markings about the eye. Price, pkt. 5c; pt. 45c; qt. 75c; postpaid.

## Dwarf or Bush Lima Beans

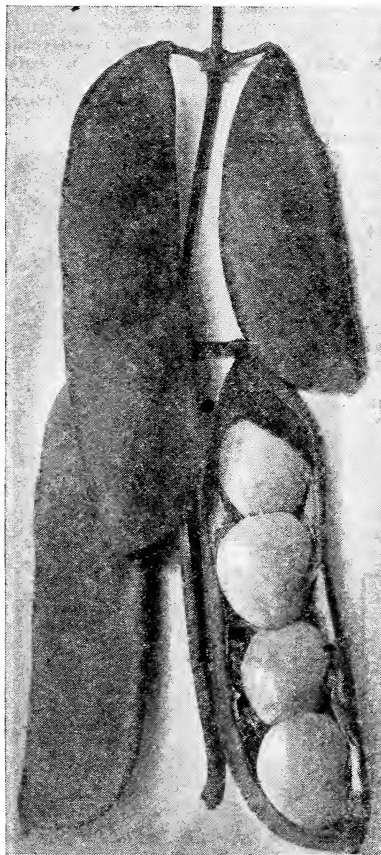
THE BUSH LIMAS ARE QUITE DESIRABLE FOR THE GARDEN, AS THEIR CULTIVATION DOES AWAY WITH POLES. THESE SHOULD BE PLANTED EDGEWISE WITH THE EYES DOWN AND TWO INCHES DEEP. PLANT JUNE 1.

**HENDERSON'S BUSH LIMA.** Grows in compact bush form about 18 inches high. The beans are small in size, but of delicious flavor and great productiveness, and about two weeks earlier than the others. Pkt. 5c; pt. 45c; qt. 75c; postpaid.

**BURPEE'S BUSH LIMA.** A bush form of true, large Lima. A good yielder, bearing a handsome, large pod, well filled. Pkt. 5c; pt. 45c; qt. 75c; postpaid.



ADMIRAL TOGO



BURPEE'S BUSH LIMA



## Dwarf Green Pod Beans

**BURPEE'S NEW STRINGLESS.** One of the best stringless green-podded beans in cultivation. The pod is round, full, large and straight. In quality it is superior to most other Bush Beans. Pkt. 5c; pt. 45c; qt. 75c; postpaid.

**GIANT STRINGLESS.** This extra early variety is exceedingly productive, bearing round green pods 6 to 7 inches long, very meaty, extremely crisp and absolutely stringless throughout the entire season. Pkt. 5c; pt. 45c; qt. 75c; postpaid.

**IMPROVED RED VALENTINE.** Early and prolific. Pods are remarkably fleshy and tender, and remain a long time without becoming hard. Pkt. 5c; pt. 25c; qt. 45c; postpaid.

**LITTLE WONDER NAVY.** Valuable for field culture; very prolific, excellent dry bean. Pkt. 5c; pt. 25c; qt. 45c; postpaid.

**LONG YELLOW SIX WEEKS.** Hardy, early and productive. A standard sort. Pkt. 5c; pt. 25c; qt. 45c; postpaid.

**REFUGEE.** (Thousand to One.) Most prolific green-podded sort, thick and fleshy. Especially desirable for pickling. Pkt. 5c; pt. 25c; qt. 45c; postpaid.

**TEPARY.** Similar to the Navy bean but a little smaller in size. It is a great drouth resister. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid.

**WHITE MARROW.** Good shelled, either green or dry. Pkt. 5c; pt. 25c; qt. 45c; postpaid.

## Pole Beans

### One quart to 200 hills

These are more tender than the Dwarf Beans, and planting should be delayed about a week longer. Set a stout stake about 8 feet long firmly in the center of each hill, leaving four plants to a hill.

**CUTSHORT.** (Corn Hill.) A standard sort for planting among corn. It will yield a good crop without the use of poles. Beans nearly oblong, cut off at ends, white with reddish-brown spots. Pkt. 5c; pt. 25c; qt. 40c; postpaid.

**DUTCH CASE KNIFE.** An early corn hill bean. Pods very long and flat; beans flat, kidney-shaped, white, of excellent quality, green or dry. Pkt. 5c; pt. 25c; qt. 40c; postpaid.

**EARLY GOLDEN CLUSTER WAX.** Begins bearing in July, continuing to produce abundantly until frost, large clusters of golden-yellow pods 6 to 8 inches long and of delicious flavor. Valuable either as a shell or snap bean, white seed. Pkt. 5c; pt. 20c; qt. 40c; postpaid.

**LARGE LIMA** (Butter.) Productive. Large, flat pods; beans white, of excellent flavor. Pkt. 5c; pt. 25c; qt. 40c; postpaid.

**LAZY WIFE.** A late bean. Pods long, broad, thick and entirely stringless; rich and buttery; dry beans, white and unsurpassed as shell beans for winter use. Very prolific. Pkt. 5c; pt. 20c; qt. 40c; postpaid.

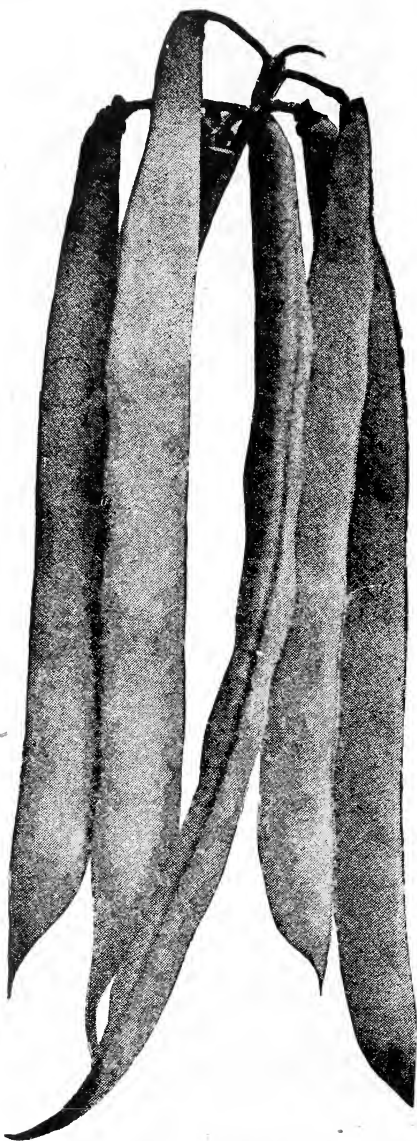
**OLD HOMESTEAD.** (Kentucky Wonder.) An excellent green-podded variety; enormously productive, the long pods hanging in great clusters along the entire vine; they cook very tender and melting. Seed dark brown. Pkt. 5c; pt. 20c; qt. 40c; postpaid.

**RED KIDNEY.** Usually grown for dry beans, but excellent also as green shell. Splendid for boiling or baking. These are the old-fashioned Red Kidney. Pkt. 5c; pt. 25c; qt. 40c; postpaid.

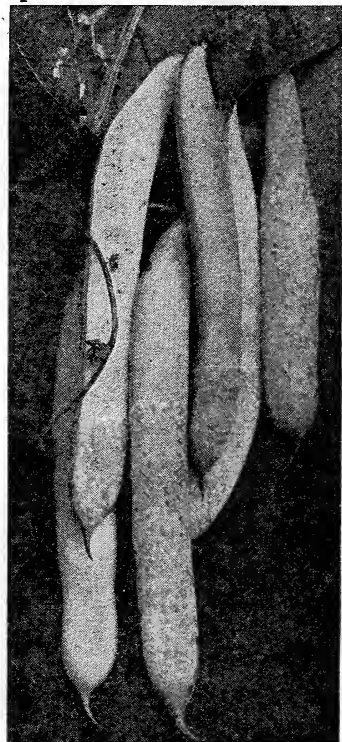
## GRISWOLD'S BEST 4 BEAN COLLECTION NO. 1

15c; POSTPAID

Four of our best beans for home gardens are our Stringless Green Pod, Wardwell's Kidney Wax, Old Homestead or Kentucky Wonder Pole Bean and Henderson Bush Lima. All of these are illustrated and described on pages 7 and 8. We will send you by mail one 5 cent packet of each of these 4 varieties postpaid for 15c. This is your chance to have these 4 splendid varieties at the lowest cost.



KENTUCKY WONDER



GARDEN TOOLS LISTED ON PAGES 115-118

EARLY GOLDEN CLUSTER WAX



# Beets

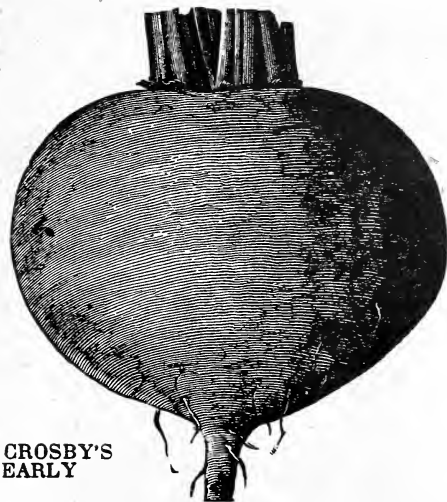
One ounce to 100 feet of drill; 5 to 7 lbs. to acre in drills. The early turnip varieties are ready for the table in from 50 to 60 days from sowing of seed.

The best results are obtained on a deep, rich, sandy loam, in freshly prepared soil, which should be pressed firmly over the seed. In dry weather soak seed 24 hours before planting.

If wanted very early, sow in hotbeds and transplant, cutting off the outer leaves. For general crop sow in drills 18 inches apart, and thin to 3 inches in the row. For winter use, the turnip varieties may be sown in June, and the beets may be kept by storing in a cellar and covered with sandy soil to prevent wilting. To prevent beets losing their color in cooking, do not break the skin. Prices are all postpaid. If sent by express deduct 10c per pound.

**ARLINGTON BLOOD TURNIP.** A dark-leaved variety, following Eclipse in maturing; perfectly round, blood-red, excellent quality, and good for winter; does not become stringy and is tender at all times.

**BEST EARLY BLOOD TURNIP.** A favorite early variety. Roots turnip-shaped, dark red; fine flavor, tender and sweet. Good for winter.



**COLUMBIA.** Extra early, also one of the finest main-crop beets for market or home garden. The roots are turnip shape, 3 or 4 inches in diameter, deep through, smooth and entirely free from small rootlets. Flesh deep blood-red, tender and of rich flavor.

**CRIMSON GLOBE.** Early, of medium size, uniformly round; color deep crimson throughout; exceedingly tender and sweet; good keeper.

**CROSBY'S EARLY EGYPTIAN.** An improved strain of the Egyptian; skin and flesh are dark red, roots smooth, round, fine quality, extra early.

**DETROIT DARK RED TURNIP.** A grand beet for bunching for market, and for the home garden. Tops small, roots globular, skin smooth, dark blood-red; flesh bright, crisp, tender, sweet and remaining so for a long time.

**DEWING'S EARLY RED TURNIP.** Of good form and flavor. Flesh and top deep blood-red; excellent for early or winter use. Smooth and handsome.

**WOODRUFF'S EARLY WONDER.** A very early beet, maturing earlier than the Crosby's Early. Has a very small tap root and fine, deep color. It matures very evenly so that it can all be pulled within a few days after you begin pulling the crop. It is a good beet to sow as a second crop. It is said by market gardeners to be the earliest beet in existence. Price pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00; postpaid.

**EARLY MODEL.** A perfect globe in shape with a very small tap root. The color of the flesh is equal to that of the best long beet in existence. The foliage is very small. The beets are always smooth and of the deepest blood red color while they quickly attain a good size. The Early Model has become a great favorite with all growers on account of its uniform size and regular type. Price, pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00; postpaid.

**ECLIPSE.** An extra early variety with round, smooth, blood-red roots. Matures very early and is popular both for market and home garden.

**EDMUNDS IMPROVED BLOOD TURNIP.** Round and smooth, matures early; skin and flesh are of a deep blood-red; sweet and tender; an excellent keeper.

**HALF LONG BLOOD.** An entirely distinct variety, and the best for winter use. The roots are pear shaped, smooth, flesh a rich, dark red, crisp, tender and very sweet, never becoming woody, and retaining its excellent quality longer than any other sorts.

**LONG DARK BLOOD.** Tops large, with good sized, long roots, tapering and growing even with the surface; dark red; flesh sweet and tender, remaining so until spring. A popular winter sort. An excellent keeper.

## SWISS CHARD

Grown for its leaves only; mid-rib is cooked an dserved like asparagus, the leaves used for greens. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

**PRICES OF ALL BEETS ON THIS PAGE  
EXCEPT EARLY MODEL AND EARLY WONDER**  
Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 70c; postpaid



CRIMSON GLOBE



# Brussels Sprouts

Matures 140 to 150 days from seed

Brussels Sprouts are highly valued in all European countries, but are not generally appreciated here. Thousands and thousands of native-born Americans have never tried them and do not know what palatable and nutritious vegetables they are. They should be in every garden.

Culture same as for early or late cabbage, depending on whether an early or late crop is desired, with the exception that the seed should be sown a few days earlier and when the plants are planted out they should be set 15 inches apart in rows 2 feet apart. One ounce will sow 200 feet of drill. The stem which usually grows from 20 inches to 2 feet in height, is covered with "miniature cabbages" which may be boiled like cabbage or cooked in cream like cauliflower. They are by all means the most delicious and delicately flavored of the cabbage family. On this variety the heads grow very closely and its quality is the finest. Price, pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50; postpaid.

## Broccoli

The culture is the same in all essentials as for Cauliflower, in fact, it is a good deal like Cauliflower. It is grown most successfully where the season is long, cool and rather moist. One of the most valuable features is that it withstands greater extremes of temperature than Cauliflower.

**NEW WHITE CAPE.** A very desirable variety. It has medium sized heads, close and compact, and of a beautiful creamy white color. A sure header. Price, pkt. 5c; oz. 30; postpaid.

## Cauliflower

(For Cauliflower Plants see Below)

These need a deep, rich, moist soil, and require the same treatment as cabbages. For early summer varieties, seed should be sown in hotbed early in March, transplant when weather is warm. For late or autumn varieties, sow in March or April, transplant in June. Hoe often.

**DANISH GIANT.** (Dry Weather.) The merits of this first class cauliflower is recognized by its increasing popularity. The crop is 2 or 3 weeks earlier than the Earliest Erfurt. The plants are less affected by dry weather than any other variety, making it very valuable for dry sections. Price, pkt. 5c; ½ oz. \$1.75; oz. \$3.00; postpaid.

**EARLY SNOWBALL.** (Early Selected.) This very superior strain is noted for producing plants of dwarf habit, short, compact growth, and uniform shape. It is extremely hardy and one of the surest to make a solid head. For forcing or planting in open ground no other variety can surpass it. Good for early, second early, and late planting. Price, pkt. 5c; ½ oz. \$1.35; oz. \$2.50; postpaid.

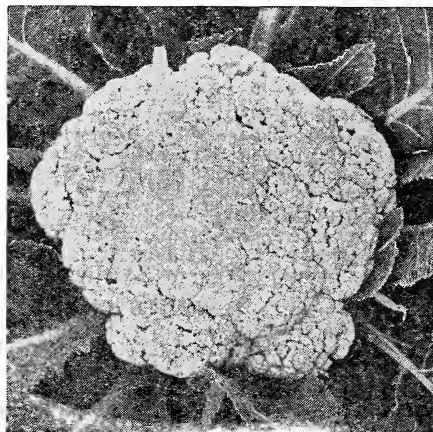
**EXTRA EARLY ERFURT.** A very fine strain, producing large, white, firm heads close and of excellent quality. Dwarf, early and always certain to head, early or late. Later and larger than Earliest Erfurt. Price, pkt. 5c; ½ oz. 75c; oz. \$1.25; postpaid.

## Vegetable Plants

We grow great quantities of Cabbage, Cauliflower, Celery, Tomato and Sweet Potato Plants

For Varieties See Page 42

	Ready About		Postpaid			By Exp. Your Expense		
			Per doz.	Per 25	Per 100	Per doz.	Per 100	Per 1000
Early Cabbage.....	Apr. 25		\$0.15	\$0.25	\$0.75	\$0.10	\$0.50	\$4.00
Late Cabbage.....	May 10		.10	.20	.65	.10	.40	2.50
Early Tomato.....	Apr. 25		.25	.45	1.00	.15	.80	7.00
John Baer Tomato.....	Apr. 25		.25	.50	1.50	.20	1.25	10.00
Late Tomato.....	May 10		.15	.30	.90	.10	.70	6.00
Cauliflower, Snowball.....	May 10		.25	.45	1.25	.20	1.00	7.00
Egg Plant.....	May 10		.25	.45	1.25	.20	1.00	8.00
Early Celery.....	May 10		.20	.35	.75	.15	.50	4.00
Late Celery.....	June 1		.15	.25	.55	.10	.35	3.00
Pepper.....	May 10		.25	.45	1.25	.20	1.00	8.00
Sweet Potatoes.....	May 10				.50		.35	3.00
Asparagus Roots.....			.15		1.00		.60	5.00
Rhubarb Root.....	10c each		1.00 per doz.			50c. per doz.		



EARLY SNOWBALL

WRITE FOR PRICE LIST IN LARGER LOTS



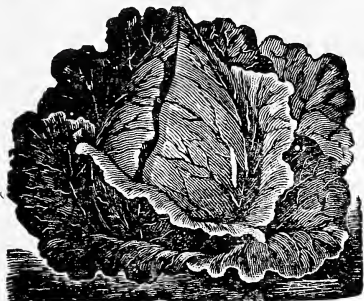
# Cabbage

One ounce to 5,000 plants; 2 ounces to transplant an acre. Ready for table in from 100 to 160 days from seed, according to varieties.

**For Cabbage Plants see Page 42**

For early summer use sow in hotbed in February or March. Before transplanting to the open ground they should be hardened off by exposing them gradually to the night air. For winter use sow in open ground in May or June, taking care in either case not to let the plants stand too closely, as this makes them "spindling." When five or six inches high, transplant in rows two feet apart one way, and 12 to 18 inches the other way, according to variety, burying to the first leaf, whatever the stem length. Hoe frequently, drawing the earth up about the plants until they begin to head.

## Extra Early Varieties



## EARLY JERSEY WAKEFIELD

ing at one time, compact growth, large heads and cabbage a standard in three years time. A trade gardener. Price, pkt. 5c; ½ oz. 15c; oz. 25c; 2oz. 45c; 1 lb. \$1.10; lb. \$4.10; postpaid.

**EARLY SPRING.** The earliest, flat-headed variety. A wonderful compact plant with few outer leaves. Ready for use as soon as Early Jersey Wakefield. The head is oval and very large for the size of the plant, nearly equaling many of the later kinds. **Price, pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.60; postpaid.**

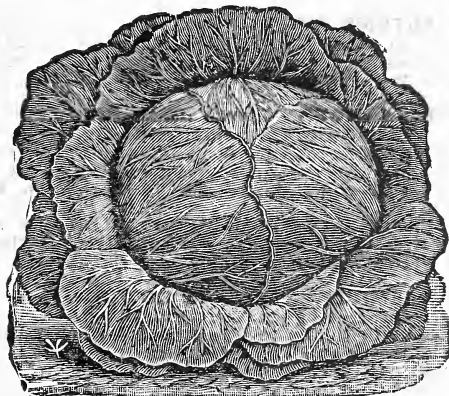
**EXTRA EARLY EXPRESS.** The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for the gardener. **Price,** pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.60; postpaid.

**EARLIEST ETAMPES.** (Earliest of All.) Extremely early, with small, quite solid, pointed heads; excellent quality. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.60; postpaid.

**EARLY JERSEY WAKEFIELD.**—Most gardeners depend upon it for the bulk of their extra early crop. Heads conical, very compact, solid and of excellent quality. Price pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.60; postpaid.

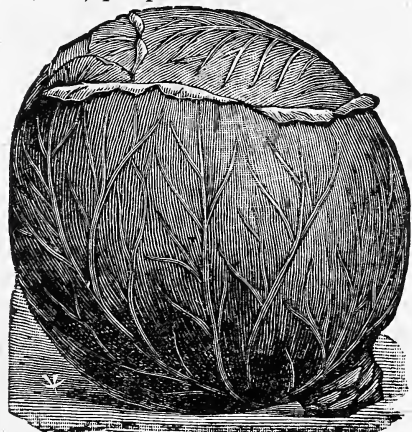
**EARLY WINNINGSTADT.** One of the best, being very hardy and sure to head; suffers less from the cabbage worm than any other sort; heads regular, conical, very hard and keep well. **Price, pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.60; postpaid.**

**EARLY YORK.** Very early; small heart-shaped. Firm and tender. Price pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; -lb. \$2.60; postpaid.



## COPENHAGEN MARKET

## Second Early or Summer Varieties



## ALL SEASON'S

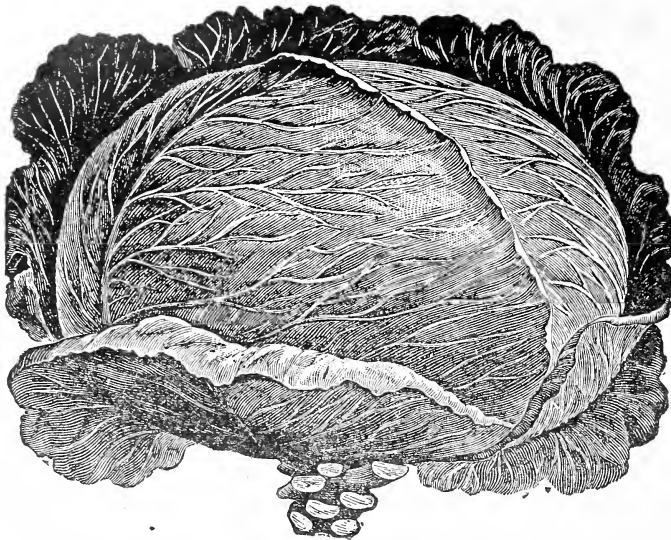
**EARLY DRUMHEAD.** A fine strain; of dark bluish-green color, plant very hardy; compact, flat head. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.60; postpaid.

**EARLY DWARF FLAT DUTCH.** An early cabbage of good size. Heads are flat and very solid. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.60; postpaid.

**EARLY SUMMER.** D deservedly popular with market gardeners throughout the country. It forms large, solid, round, flattened, compact heads of excellent quality, tender and sweet. The heads average over double the size of the Jersey Wakefield, weighing eight to ten pounds each, while it matures only ten or twelve days later. **Price, pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.60; postpaid.**

**LOW PRICES ON SEEDS. SEE PAGES 40 AND 41**





LATE DRUMHEAD

## Late or Winter Varieties

**AUTUMN KING.** Is extremely large and solid. Flat headed late variety. The plant is of extra strong growth, with dark bluish-green leaves. Splendid winter variety. Price, pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 70c; lb. \$2.60; postpaid.

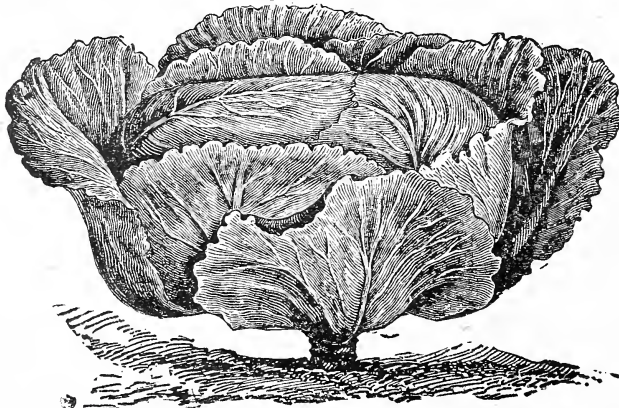
**HOLLANDER.** (Danish Ball Head.) Hardest heading variety known. Remarkable for great weight and long-keeping qualities. The heads are of medium size, exceedingly tender, crisp, solid, with no waste heart. Price, pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 80c; lb. \$3.10; postpaid.

**LARGE LATE DRUMHEAD.** A favorite winter variety, extra large, solid heads; slightly later than the Flat Dutch. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.60; postpaid.

**PREMIUM LATE FLAT DUTCH.** (Selected Strain.) The great cabbage for fall and winter. The large, oval, solid heads are flattened and of splendid quality. Will keep in the best condition for a long time. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.60; postpaid.

**RED DUTCH.** The best, largest and surest heading red cabbage. Used mostly for pickling. The plant is large, with several spreading leaves. The head is large, round, very solid and of deep red color, averaging from ten to twelve pounds in weight. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.50; postpaid.

**SUREHEAD.** This cabbage never fails to make a fine, solid, large head, with few outer leaves. It is a vigorous grower, maturing late. First-class main crop variety. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.60; postpaid.

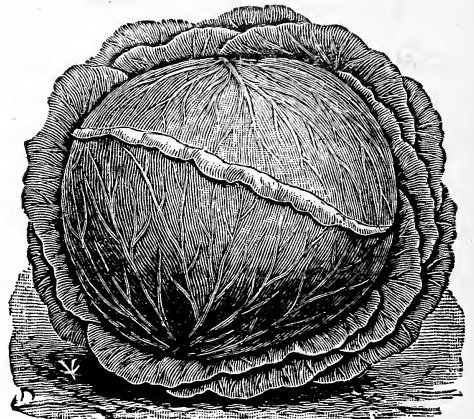


PREMIUM LATE FLAT DUTCH

### SUMMER VARIETIES—Continued

**ALLHEAD EARLY.** Earlier than any other large cabbage, larger than any other early cabbage. Heads deep, flat, solid, uniform and very tender owing to its rapid growth. An all-the-year cabbage. We consider this one of the best second-early sorts on our list and recommend it both for home and market. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; 65c; lb. \$2.60; postpaid.

**ALL SEASONS.** (Vandergaw.) This excellent sort is early, maturing a week or ten days after All Head Early; makes larger and harder heads than that sort, averaging ten to fifteen pounds in weight. Truly an all-seasons variety, fine for summer market and heads are so large, thick and solid that it is excellent for keeping through the winter. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.60; postpaid.



HOLLANDER

**THE LUPTON.** This variety is one of the best for main crop, combining the best qualities of the second-early and the late sorts. It is also one of the best keepers. Price, pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 70c; lb. \$2.60; postpaid.

## Bee Supplies

We carry a complete line of A. I. Root's Hives and Supplies in stock. Will furnish Special Catalog upon request.

TO MAKE A HOTBED, SEE PAGE 24



# Carrots

One ounce to row 100 feet long. 2½ lbs. per acre. Ready for table in from 95 to 120 days from seed, according to variety.

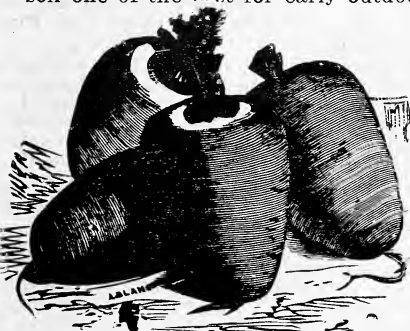
Any good land, if thoroughly and deeply worked, will produce satisfactory crops. Sow as early as the ground can be worked, sow the smaller kinds in rows 16 to 18 inches apart. For field culture sow in drills 18 to 24 inches apart. Cover one-half to one inch deep and see that the soil is pressed firmly above the seed. Do not let the weeds get a start. Thin to three to six inches apart in the rows as soon as the plants are large enough. For winter use gather and store like turnips.

Price of all Table Carrots, pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 70c; postpaid.

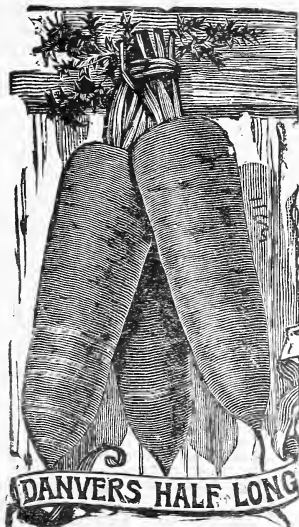
**CHANTENAY.** The market gardener's and trucker's favorite. It is an early, very productive, half long, stump-rooted variety, smooth-skinned, fine in appearance and entirely coreless. It is pulled very easily. The color is a rich orange and the texture and quality are unsurpassed. The finest of all sorts, and it is undoubtedly the best bunching carrot for early market use.

**DANVER'S HALF LONG POINTED.** A half long orange carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. Roots six to eight inches long, tapering uniformly to a blunt point. Flesh deep orange, tender and of good quality. Although the roots of this variety are comparatively short they often produce as large a bulk as the longer field sorts and are more easily harvested.

**EARLY SCARLET or SHORT HORN.** One of the most popular varieties grown; color deep orange; flesh fine grained and of agreeable flavor; tops small; has a short stump-shaped root. Grows well in shallow soil one of the best for early outdoor planting and for table use.



GUÉRANDE or OX HEART



DANVER'S HALF LONG

**HALF LONG STUMP ROOT.** The tops are of medium-size, roots deep orange, large, tapering to a dull point. Smooth, crisp and tender.

**HALF LONG SCARLET NANTES.** The leaves are fine, the roots are almost cylindrical, very smooth, of good shape and size, and about six inches long; the flesh is red and very sweet. They are easily pulled and keep well. A most excellent sort.

**IMPROVED LONG ORANGE.** Large, smooth, and of rich orange color. A good keeper, of fine quality for table use, and highly nutritious for stock.

**OX HEART or GUÉRANDE.** (See cut.) A thick carrot, five inches long and very blunt at the lower extremity. It grows very rapidly, and the roots attain a weight of more than a pound. It is tender, of good flavor and of a deep orange color, and is a variety we can recommend to all market gardeners.

LOW QUANTITY PRICES, SEE PAGES 40 and 41

## Carrots for Stock

Sow 4 to 6 lbs. to the Acre in April or May

These are undoubtedly the most valuable of all the roots usually grown for stock. They are more nutritious than turnips and nearly all animals like them and are benefited by them.



**LARGE YELLOW or VICTORIA.** Largest, heaviest cropping and most nutritious variety in cultivation; roots fine, of light orange color, and possessing high feeding properties; good keeper. Price, pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 55c; postpaid. By express, 5 lbs. \$2.25.

**LARGE WHITE BELGIAN.** Grows one-third out of ground. Roots pure white, green above ground with small top. Flesh rather coarse. The roots grow to a large size. Price, pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 55c; postpaid.

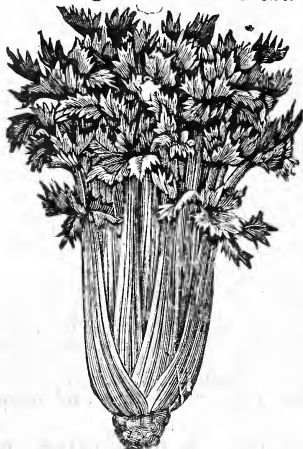
IT WILL PAY YOU TO LOOK ON PAGE 22

# Celery

One ounce to 3,000 plants or 200 feet of drill. Ready for table in 160 to 175 days from seed.  
**GROW YOUR OWN CELERY.** (For Celery Plants see Page 42)

Sow the seed (which is slow to germinate) in shallow boxes, or hotbed, cover the seed not too deep. Keep the bed moist, almost wet, until the seeds germinate. When about four inches, thin out and transplant so that they may stand three inches apart, when the plants are four inches high, cut off the tops, which will cause them to grow stocky. The essentials to success in celery growing are rich soil and plenty of water. The best results are usually obtained from setting about the middle of June or the first of July. In setting, prepare broad trenches about six inches deep and four to six feet apart, in which the plants should be set six inches apart, cutting off the outer leaves and pressing the soil firmly about the roots. Cultivate freely. Earth up a little during the summer, keeping the leaf stalks close together, so that soil cannot get between them. Finish earthing up in autumn and never hoe or earth up when plants are wet, as this would be likely to cause them to rust or rot.

To keep celery for winter, dig trenches a foot wide and as deep as the tops of the plants. Stand celery in these erect, with what dirt adheres to the roots, packing closely, but not crowding. It should be covered with straw or leaves a little at a time as the cold becomes greater. Celery will bear a good deal of frost.



**WHITE PLUME**

simply tying up the stalks and drawing up the soil with the hoe the work of blanching is complete. It is tender, crisp and of good flavor. The earliest celery in cultivation, but will not keep longer than Christmas. Price, pkt. 5c; oz. 20c; ¼ lb. 50c; postpaid.

**CELERIAC GIANT PRAGUE.** The roots of this celery are turnip-shaped, large and smooth; are almost round and with a very few side roots. Sweet and tender and may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups. Price, pkt. 5c; oz. 20c ¼ lb. 50c; postpaid.

**GIANT GOLDEN HEART.** This variety attains a large size, but still remains crisp and tender. It is a fine keeper and a favorite for market. Price, pkt. 5c, oz. 20c; ¼ lb. 45c; postpaid.

**GIANT PASCAL.** One of the best for fall and winter use. The stalks are very large, solid, crisp and of rich, nutty flavor. It blanches very easily and quickly. The heart is golden yellow, very attractive. Price, pkt. 5c; oz. 20c; ¼ lb. 50c; postpaid.

**GOLDEN SELF-BLANCHING.** This is without doubt the best celery for general use, the ribs are perfectly solid, crisp, brittle and of delicious flavor, while it has the decided merit of being self-blanching to a very remarkable degree. The heart is large, solid and a beautiful rich, golden yellow. It is decidedly the best keeper of all the self-blanching varieties. Price, pkt. 5c; oz. 25c; ¼ lb. 90c; postpaid.

**SNOW WHITE.** A pure white variety. It is vigorous in growth, rich in flavor and crisp; grows solid on all kinds of soil, and is an excellent keeper. Price, pkt. 5c; oz. 20c; ¼ lb. 60c; postpaid.

**WHITE PLUME.** (See cut.) A variety specially adapted to cultivation by amateurs, as its inner stalks and leaves are naturally white. By

## Chives

**CHIVES (Schnittlauch.)** A perfectly hardy plant, something like an onion. Tops are cut off from time to time and used to flavor soup. Price, seed, pkt., 10c. Clumps, 25c each; postpaid. By express, \$1.50 per dozen.

## Celery-Cabbage

In appearance it is more like Stalk Celery or Cos Lettuce than real Cabbage, but to the palate a delicious celery-flavored cabbage, which may be served as a salad, as hot or cold slaw or boiled, minced and seasoned with butter or cream sauce. The seed should be sown during

summer for use in autumn or winter. Sow in drills 16 to 20 inches apart, thinning out in the rows two to three times as necessary. Price, pkt. 10c; oz. 35c; ¼ lb. \$1.10; lb. \$3.50; postpaid.

## Collard

The Collard makes excellent greens and is also excellent for all kinds of stock. The leaves may be pulled from underneath the head of the plant and cattle, hogs and poultry are very fond of it. Such action does not injure the growing and preserving of the Collard or human food. It grows readily in any kind of soil, and heavy frosts or even icy weather does not hurt it. Plant same as cabbage. Price, pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00; postpaid.

## Cress or Peppergrass

Ready in from 21 to 40 days. Cress should be sown in a sheltered spot quite thick in shallow drills, in a short time it will be fit for cutting. Sow frequently, as it matures rapidly.

**EXTRA CURLED.** This small salad is much used with lettuce. The warm, pungent taste makes a most agreeable addition. Price, pkt. 5c; oz. 10c; ¼ lb. 25c; postpaid.

**WATER CRESS.** Hardy, perennial, growing readily on the banks of streams or ponds. Price, pkt. 5c; ½ oz. 20c; oz. 30c; postpaid.



**CRESS or PEPPER GRASS**



# Cucumbers

One ounce to 50 hills; 2 to 3 lbs. to the acre. Earliest varieties ready for table use in 50 to 55 days from seed. Main crop in 65 to 75 days.

As soon as the weather becomes settled and warm, plant in hills 4 to 6 feet apart each way, with 8 or 10 seeds in a hill; cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects, leave 3 or 4 plants to a hill. For pickles, plant from first of June to first of August. The fruit should be gathered when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.

**A GOOD SCHEME.** Put in a second row of seed a few inches from your first cucumbers when they begin to run. The bugs prefer young plants. Your earliest plants are thus protected and those of later planting that escape the bugs will prolong the pickle season.

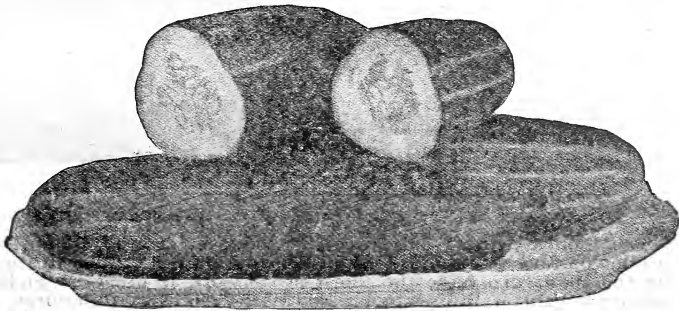
**BOSTON PICKLING or GREEN PROFITIC.** One of the best pickling varieties; dark green, tender, crisp and productive. Price, pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 75c; postpaid.

**DAVIS PERFECT.** This cucumber has the merit of being not only a first-class variety for forcing under glass, but is equally as good for outdoor culture. The color is a dark, glossy green; in shape it is smooth and symmetrical with an average length of ten to twelve inches. It is very tender and of exceptionally good flavor. For shipping it is unsurpassed. Price, pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00; postpaid.

**EARLY CLUSTER.** A short, pale green variety; fruit borne in clusters near the root, containing few seeds. Price, pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c; postpaid.

**EARLY FRAME or SHORT GREEN.** Excellent for table use and for pickling. Fruit straight, smaller at each end; bright green, flesh tender and crisp. Price, pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 75c; postpaid.

**EVERBEARING.** Small, very early and productive; solid, few seeds and of fine quality. It



LONG GREEN

continues to bear until frost. Price, pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c; postpaid.

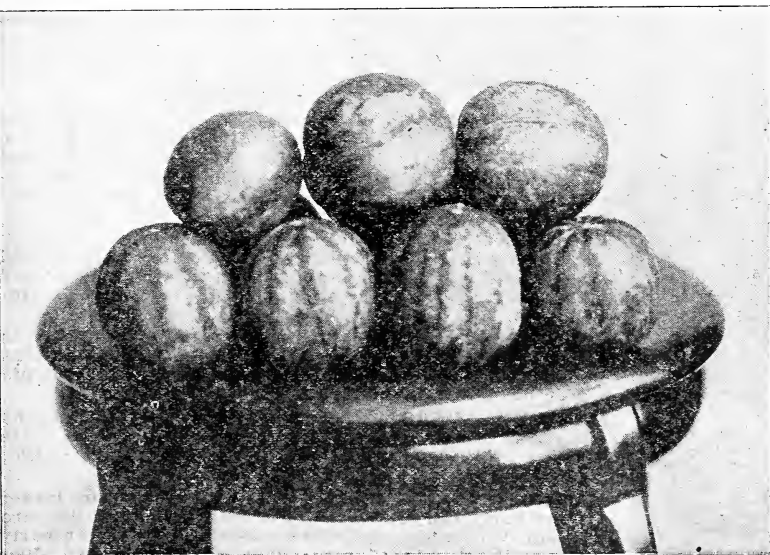
**IMPROVED JERSEY PICKLING.** A standard small variety, dark green, tender, crisp, productive, of fine flavor and uniform size. Price, pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c; postpaid.

**IMPROVED LONG GREEN.** (See cut.) A well-known standard, main crop variety, about 9 in. long, of excellent quality, and makes the best of pickles. Vines vigorous and very productive. Price, pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c; postpaid.

**IMPROVED EARLY WHITE SPINE.** For forcing it is preferred to all others. Flesh tender and crisp. Fruit uniform in size, straight and light green, with a few white spines. Price, pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c; postpaid.

**JAPANESE CLIMBING.** The vines can be trained to climb, thus requiring less ground space. The cucumbers are thick, tender, and of a delicate flavor, flesh white; skin dark green, turning to brown and netted when ripe. Price, pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00; postpaid.

**LEMON CUCUMBERS.** A new kind of Cucumber, called the "Lemon." The photograph on this page gives an idea of the shape and appearance of one of the best cucumbers for the home garden and early shipping. It is similar in color and shape to a lemon—hence its name. Its flavor is delicious and it is never bitter. Excellent for slicing—we know of none equal to it; used in salads and when quite small is often eaten like radishes. Always tender, crisp and juicy. It is deserving of general planting. When ordering your garden seed be sure to include one or two packets. Price, pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.60; postpaid.

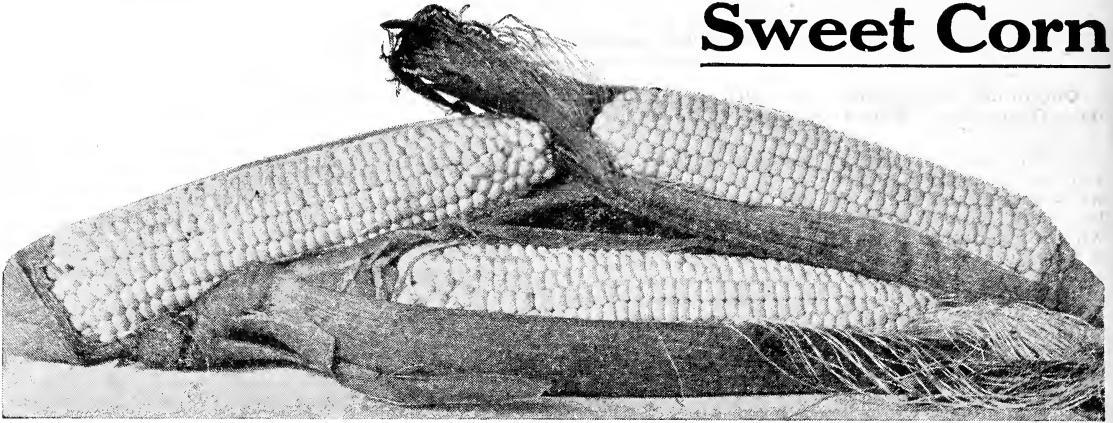


LEMON CUCUMBER

TO KILL INSECTS, SEE PAGE 114



# Sweet Corn



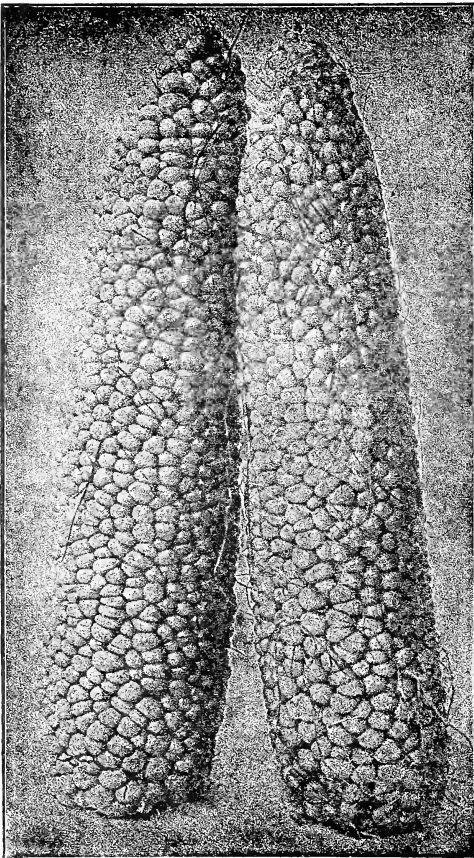
## HOWLING MOB

Sweet Corn being liable to rot in cold, wet ground should not be planted before May, or until the ground has become warm; practically nothing is gained in time, and much is lost in quality by planting too soon. To have the finest sweet corn it must be picked in just the right condition, that is when the skin of the grain breaks at the slightest punctures, and planting could be made every two weeks to have a supply at this stage. Plant in rich ground in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. The extra early varieties can be planted closer. Give frequent and thorough but shallow cultivation until the tassels appear.

**IF SENT BY EXPRESS AT BUYER'S EXPENSE, DEDUCT 5c PER PT., OR 10c PER QT.**  
For prices in larger lots see our Market Gardeners' Price List, pages 40 and 41

**ARISTOCRAT.** (See page 1.)

**BLACK MEXICAN.** Medium early, about six feet in height, with one or two fine ears eight inches in length, with eight rows of large grains, which when in condition for the table cook remarkably white, but the ripe grain is black or bluish-black. It is surpassed by none in tenderness. Price, pkt. 5c; pt. 15c; qt. 30c; 2 qts. 50c; postpaid.



COUNTRY GENTLEMAN

**STOWELL'S EVERGREEN.** The standard main crop variety. It is hardy, large-growing and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Price pkt. 5c; pt. 25c; qt. 45c; 2 qts. 85c; postpaid.

**COUNTRY GENTLEMAN.** (Shoe Peg.) This variety has a small cob densely covered with irregular rows of very long, slender grains of fine quality. Price, pkt. 5c; pt. 25c; qt. 50c; 2 qts. 95c; postpaid.

**CROSBY'S EARLY.** Remarkably early and of the best flavor. Ears of medium size, twelve-rowed, with grains very tender and sweet. Price, pkt. 5c; pt. 20c; qt. 40c; 2 qts. 70c; postpaid.

**EARLY EVERGREEN.** This is a very popular Sweet Corn. It is in the second early class, comes to maturity fully 10 to 12 days earlier than Stowell's Evergreen and yields large, handsome ears of most delicious flavor. It has a ready sale in the market on account of its handsome appearance and earliness. Price, pkt. 5c; pt. 20c; qt. 40c; 2 qts. 70c; postpaid.

**EARLY MINNESOTA.** One of the best early sorts for the market or private garden. Stalks four to five feet high and bearing one or two long, eight-rowed ears; kernels very broad, sweet and tender, not shrinking much in drying. Price, pkt. 5c; pt. 20c; qt. 40c; 2 qts. 70c; postpaid.

**EARLY CHAMPION.** Only a few days later than the extra earlies, bearing large, handsome, twelve-rowed ears. Deep, white, plump grains of milky tenderness and very sweet. Very productive. Price, pkt. 5c; pt. 20c; qt. 40c; 2 qts. 70c; postpaid.

**EXTRA EARLY PREMÓ.** A real Sweet Corn as early as Extra Early Adams. Large, sweet and tender. Plant early, as it will stand some frost. Price, pkt. 5c; pt. 20c; qt. 40c; 2 qts. 70c; postpaid.

**MAMMOTH SUGAR.** Produces the largest ears of any sort; excellent quality, sweet, tender, delicious; late variety. Price, pkt. 5c; pt. 20c; qt. 40c; 2 qts. 70c; postpaid.

**MAMMOTH WHITE CORY.** Nearly as early but larger than Early Cory. The ears are 12-rowed; grains are broad, very white and of excellent quality for an early sort. Price, pkt. 5c; pt. 20c; qt. 40c; 2 qts. 70c; postpaid.

**LOW PRICES ON SEED, SEE PAGES 40 AND 41**



## Sweet Corn—Continued

**GOLDEN BANTAM.** Extremely hardy, can be planted earlier than any other true sweet corn, thus producing the earliest supply. Ears 6 inches long, with 8 rows of grains, which are a golden yellow when ready for use. Can be planted thickly, and every stalk should have from 2 to 3 perfect ears. Price, pkt. 5c; pt. 25c; qt. 50c; 2 for 95c; postpaid.

**HOWLING MOB.** Its peculiar but apt name refers to the vociferous demand for the ears when the originator, Mr. Keller, took them to market. In developing this corn the originator aimed to secure a large ear early in the season and at the same time possessing the sweet flavor of the later varieties. The stalks are of strong, vigorous growth,  $4\frac{1}{2}$  to 5 feet in height, have abundant foliage and generally produce two fine ears to a stalk. The ears measure 7 to 9 inches in length with twelve to fourteen rows of good sized pearly-white grains. The ears are covered with a heavy husk which extends well out from the tip and affords good protection from the green worms which are so often destructive of early Sweet Corn. Price pkt. 5c; pt. 25c; qt. 50c; 2 qts. 95c; postpaid.

**PEEP O'DAY.** (See cut.) The two points of this new corn are its extraordinary earliness and sweetness. It is also very productive, the stalks bearing from two to five ears, are very dwarf, which admits of their being planted close together. Price, pkt. 5c; pt. 25c; qt. 45c; 2 qts. 85c; postpaid.

Plant Sweet Corn 1 quart to 200 hills; 8 to 10 quarts to the acre. In an average season from planting to first fair picking is from 55 to 85 days, according to variety.

### POPCORN

**BABY GOLDEN.** (See page 5.)

**BLACK BEAUTY.** Here is something new in popcorn. It is only black on the outside, however. The kernels are very large, and when popped are very tender and crisp. The color does not show at all when popped, being a pearl white. It yields heavier and ripens much earlier than white popcorn and may be popped the same season without kiln drying. Price, pkt. 5c; lb. 30c; postpaid.

**QUEEN'S GOLDEN.** The largest of all popcorns. The stalk grows five to six feet high, and bears two to three large ears each. It is yellow, but pops creamy white, and of excellent quality. Price, pkt. 5c; lb. 20c; postpaid.

**WHITE RICE.** A prolific variety. Ears short; kernels long, pointed and white. Probably no variety of popcorn is superior to this for popping. Price pkt. 5c; lb. 15c; postpaid.

Ask for prices on popcorn in large lots.

## Corn Salad

This is a hardy winter salad, the small leaves being served like lettuce during the cool fall and early winter months. It is used also for garnishing meat dishes in the same manner as parsley and cress. The seed should be sown thinly in drills during August, September and October to supply fresh leaves during the cool fall and winter months. It is quite hardy, and after cool weather sets in can be protected by a thin mulch of hay or straw. Price pkt. 5c; oz. 10c; 1 lb. 25c; postpaid.

## Egg Plant

One ounce to 1,000 plants. Ready for table in 145 to 160 days.

A tender plant, start early in hotbed or in the house. Plant out early in June, care being necessary to prevent plants being chilled by the change.

**BLACK BEAUTY.** Is ten days to two weeks earlier than New York Improved. The fruits are large, of a rich, glossy purplish black color, very handsome and attractive. It is entirely free from spines. Price, pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; lb. \$4.00 postpaid.

**IMPROVED NEW YORK PURPLE.** (See cut.) Entirely spineless. Low growing plants, stalky and branching, bears early and almost continuously. Fruits are large, satiny smooth and a rich purple color. Price, pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.50 postpaid.

Ready for table in 43 to 50 days from seed

## Endive

One ounce to 100 feet of drill

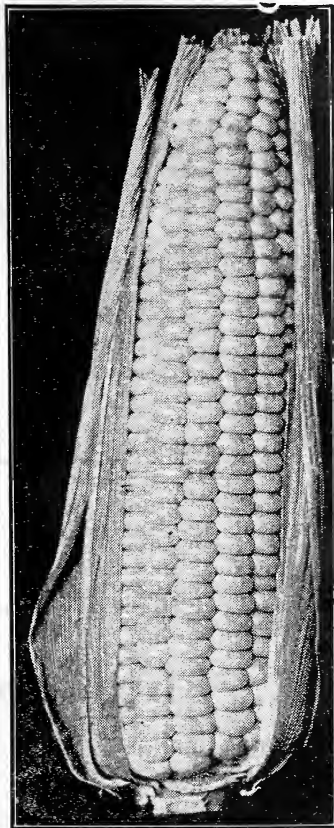
One of the best autumn and winter salads. Sow from June until August,  $\frac{1}{2}$  inch deep in drills 14 inches apart and thin out to 1 foot apart in rows. When nearly grown bleach by tying tips of leaves together.

**GREEN CURLED, WINTER.** Very hardy; leaves dark green and tender. Much better than the common varieties. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c postpaid.

**MOSS CURLED.** Leaves very finely curled. Price, pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; postpaid.

**WHITE CURLED.** Very tender when cut young; blanches readily. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; postpaid.

**VEGETABLE PLANTS LISTED ON PAGE 42**



PEEP O'DAY



NEW YORK PURPLE



## Garden Huckleberry

New Heavy Yielding Garden Berry

This new fruit can be grown from the seed the first year, and produces fruit as large as a grape; the color is jet black, and when cooked can scarcely be discerned from the real huckleberry. Plant and cultivate same as tomatoes. Do not eat green. Berries make splendid pies, jelly and sauce. Parboil a few minutes in soda water, using about one teaspoonful of soda to 1 lb. of fruit. After pouring off this water add sugar and cook slowly for several hours; a little vinegar or lemon juice improves the flavor. Very desirable while waiting several years for hardy fruits to come into bearing, or in dry climates where the ordinary small fruits do not succeed. Pkt. 5c; oz. 20c; postpaid.

## Garlic

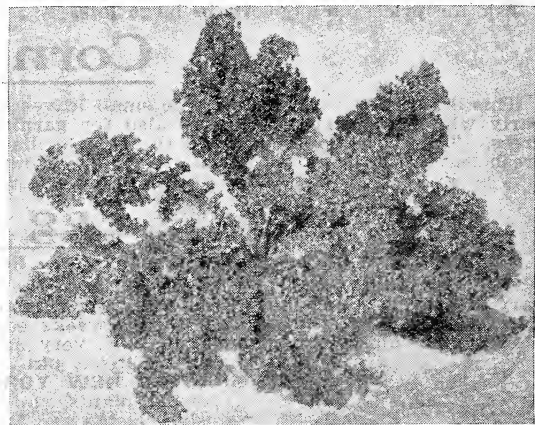
The sets should be planted in spring. Cultivate same as onions. Sets, per oz. 5c; 1 lb. 20c; 1b. 60c; postpaid.

## Kale or Borecole

This is a popular boiling-green for fall, winter and early spring use, resembling cabbage in flavor. The plant is entirely hardy in well-drained soil and can be grown easily from seed planted during the summer and fall months. The plants are usually cut off for use when the leaves are 6 inches in length. The sweetness and flavor of these greens are improved by freezing weather. One ounce should produce 4,000 plants.

**DWARF GERMAN.** (German Greens.) The leaves are curly, bright green, very tender, and delicate flavor. Pkt. 5c; oz. 10c; 1 lb. 25c; postpaid.

**TALL GREEN CURLED.** About 2 feet high, with numerous dark green curled leaves. Pkt. 5c; oz., 10c; 1 lb., 25c; postpaid.



DWARF GERMAN KALE

## Kohlrabi

One ounce to 300 feet of drill, and makes 3,000 plants

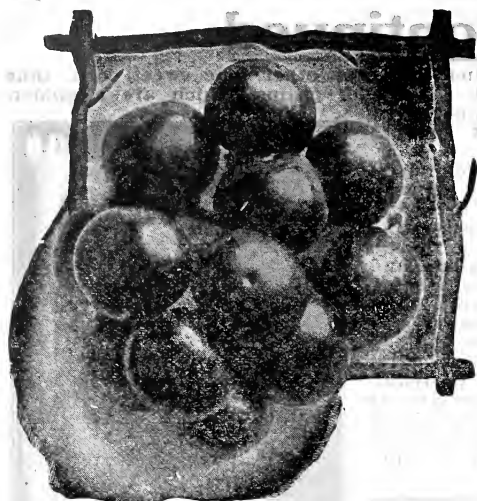
A vegetable intermediate between the cabbage and turnip. The edible bulb is served like turnip. Sow from May to July in rows 18 inches apart, and thin. Cultivate the same as cabbage.

**EARLIEST SHORT-LEAVED WHITE VIENNA FORCING.** This variety is especially adapted for early work and forcing; delicate flavor, flesh white and very tender. Pkt. 5c; oz. 25c; 1 lb., 75c; postpaid.

**EARLY WHITE VIENNA.** A favorite sort; flesh white and tender. Pkt. 5c; oz., 20c; 1 lb. 50c; postpaid.

**EARLY PURPLE.** Purple outside with white flesh. Pkt. 5c; oz. 20c; 1 lb. 50c; 1b. \$1.75; postpaid.

**SEE HOW TO MAKE 25c IN FIVE MINUTES—Page 22**



GARDEN HUCKLEBERRY

## Horseradish

This splendid appetizer cannot be over-estimated. 25 plants are sufficient for a family. The roots grow and increase rapidly in size with each succeeding year. Plant in a corner of the yard where you wish it to grow and you can begin digging the next year. Postpaid, 40c doz.; not postpaid, 30c doz.

## Finocchio

**FLORENCE FENNEL.** A delicious vegetable which should be more largely grown in this country. It is extensively used in Italy as a salad, and also may be served boiled. When the enlargement of leaf stalk, at base of stem, is about the size of a hen's egg it should be earthed up so as to cover half of it and in about 10 days cutting may be commenced and continued as the plants increase in growth. The flavor is somewhat like celery but it has a sweet taste and delicate odor. Pkt. 10c; oz., 30c; 1 lb. \$1.00; postpaid.

## Lentils

A leguminous annual, resembling peas, with round, flat seeds, which are much used for soup and making a delicious dish; they are also splendid for pigeon feed. The stems and leaves make good fodder. Succeeds well on dry soil. Pkt. 10c; 1b. 35c; postpaid. By express, 10 lbs. \$2.50.





## Garden Herbs

Herbs delight in a rich, mellow soil. Those marked with a \* are perennial. Sow early in spring in shallow drills, one foot apart; when up a few inches thin out; cut just before they come into full blossom, tie in bunches and hang up or spread thinly.

**DILL.** Leaves and seed are used in soups, sauces and pickles. It reseeds itself each year. Price, pkt., 5c; oz., 10c; 1 lb., 20c; postpaid.

\***LAVENDER.** Aromatic, medicinal herb. Price, pkt., 5c; oz., 20c; 1 lb., 60c; postpaid.

**MINT.** The old-fashioned mint has been growing in favor of late years. Used in flavoring meats, etc., also for mint sauce. Easily grown. We offer only roots. Price, per clump, 15c; 2 for 25c; postpaid.

\***MAJORAM.** (Sweet.) Leaves and shoots used for seasoning. Price, pkt., 5c; oz., 20c; 1 lb., 60c; postpaid.

\***SAGE.** Most useful herb for seasoning. Price, pkt., 5c; oz., 15c; 1 lb., 40c; postpaid.

**SUMMER SAVORY.** Used for flavoring soups. Price, pkt., 5c; oz., 15c; 1 lb., 40c; postpaid.

The **BEE SUPPLY DEPARTMENT** we recently added has proven a big success. We carry a full line of **A. I. Root's Bee Supplies** which have given the best of satisfaction. A 48-page Bee Supply Catalog sent free on request. We list a few supplies on page 119-120.

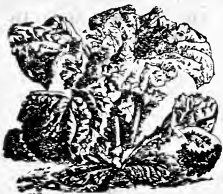
**LEEK.** (American Flag.) The Leek is a very hardy plant with a sweet onion-like flavor. It does not make bulbs, but the plant has a long, thick neck somewhat resembling the young growth of the onion in the spring. These necks or stems are blanched in the fall by drawing the earth up about them as the plants increase in growth; or they may be taken up and set in trenches in the same manner as celery for blanching. The flavor is greatly improved by freezing, and the large stems can be kept in excellent condition until well on in the spring. One ounce will plant 100 feet of row. Price, pkt., 5c; oz., 15c; 1 lb., 40c; postpaid.



LEEK

\***THYME.** For medicinal use. Price, pkt., 5c; oz., 50c; 1 lb., \$1.50; postpaid.

## Mustard



When young, the leaves are used for salad, which although slightly pungent, is very appetizing. Mustard may also be cooked like Spinach and will make a very wholesome and delicious food. Sow early in the spring in shallow drills. One ounce will sow 50 feet of drill.

**CHINESE.** The immense leaves grow rapidly, and can be cut frequently until killed by frost. Leaves are eaten boiled, like Spinach. Price, pkt., 5c; oz., 10c; 1 lb., 25c; lb., 75c; postpaid.

**MAMMOTH SOUTHERN CURLED.** The large curled-leaf variety, popular in the South, where the seed is sown in the fall for spring use. Price, pkt., 5c; oz., 10c; 1 lb., 25c; lb., 75c; postpaid.

**WHITE.** A small pungent salad; the seed is also used for flavoring pickles, etc. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

## Mushroom Spawn

The Mushroom is a delicious edible fungus of which there are numerous varieties. We handle the ordinary commercial variety of a creamy white color with loose gills which underneath are of pinkish-red, changing to liver color. These can be grown in a warm cellar or enclosed shed in which an even temperature can be maintained of fifty or sixty degrees and where a plentiful supply of fresh horse manure for making the bed can be obtained.

**AMERICAN (Pure Culture Spawn).** Produced by the new grafting process, from selected and most prolific varieties, has never failed to run. Price per brick (enough for 8 square feet), 35c; 5 for \$1.50, by mail, postpaid. By express, at buyer's expense, per brick, 25c; 6 bricks, \$1.40; 12 bricks, \$2.75.



### MUSHROOM CULTURE

A most practical work on the growing of Mushrooms. Describes how they may be grown with profit by market gardeners, and also how to grow them for home use. Illustrated 32 pages. Price, 35c; postpaid.

**WE GUARANTEE SAFE DELIVERY OF ALL SEEDS**

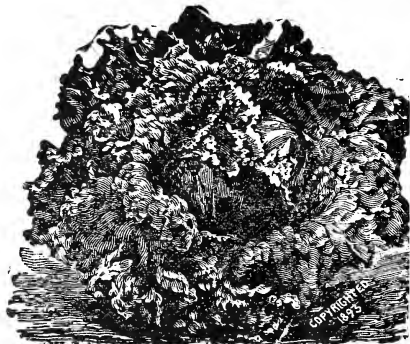


# Lettuce

One ounce to 400 feet of drill. Ready for use in 3 or 4 weeks; marketable size 60 to 75 days from seed

Lettuce thrives best in light, very rich, moist soil, but does well in common garden soil enriched with rotten manure. For first crop sow in gentle heat in February, and transplant to 10 inches apart. It may be sown thickly and cut when plants are very young. For a summer supply sow thinly in shallow drills in a cool, partially shaded place, in rich soil, and thin to a foot apart.

## Cabbage or Heading Varieties



ICEBERG

The best results with head or cabbage sorts is only obtained when the plants are transplanted several times.

**HANSON.** Forms a large, flat head, resembling that of cabbage and so slow to form a seed stalk that it often fails to seed at all. Very tender and sweet. A standard summer heading lettuce. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 90c postpaid.

**DENVER MARKET.** An early variety of Head Lettuce, either for forcing or open ground. It forms large heads, of good light green color. The leaves are blistered (like the Savoy Cabbage), very crisp and tender. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 85c postpaid.

**ICEBERG.** Makes a large, handsome, crisp head, conical in shape, tightly folded and well blanched; outer leaves fringed. Very highly esteemed for its beautiful appearance and mild flavor, even during hot summer months. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 90c postpaid.

## Curled or Loose Leaf Varieties

**BLACK SEEDED SIMPSON.** The leaves are large and form a compact mass. They are thin, tender and of a very light green color. Well adapted for growing under glass or for very early spring use. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 85c postpaid.

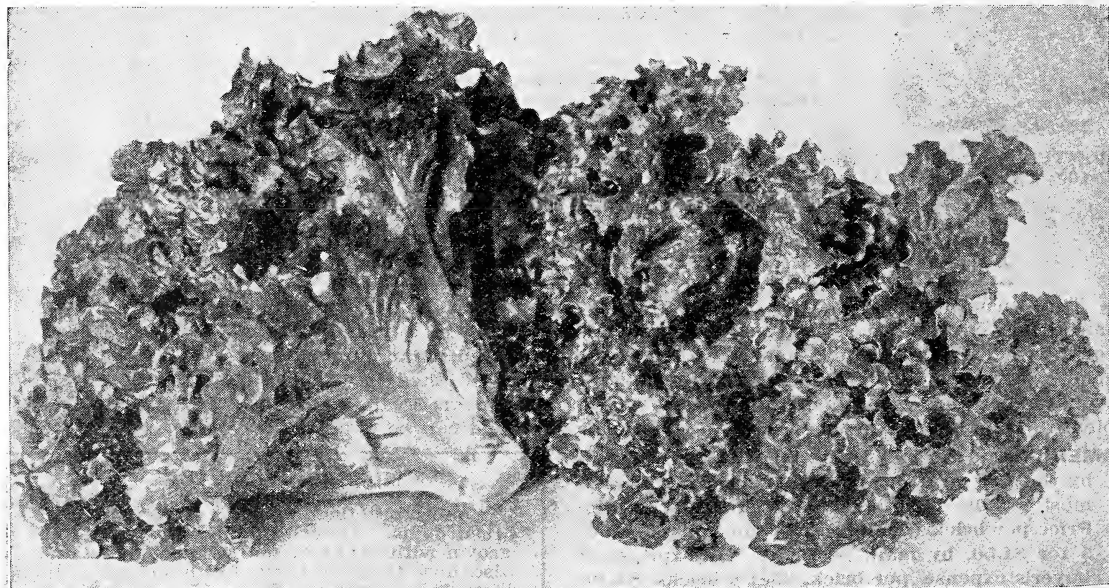
**EARLY PRIZE HEAD.** Forms a mammoth plant, in which even the outer leaves are crisp and tender; color bright green tinged with brownish red. It is of a superb flavor and very hardy. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 85c postpaid.

**EARLY CURLED SILESIA.** An early, erect growing and loose heading lettuce, especially adapted for outdoor planting, and can be used when very young. Exceedingly sweet and well flav-

ored. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 85c postpaid.

**GRAND RAPIDS.** As a lettuce for greenhouse forcing, this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days after being fit to cut. The plant is upright and forms a loose cluster of large, light leaves. It is also excellent for outdoor planting. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 90c postpaid.

**SIMPSON'S EARLY CURLED.** Leaves broad, frilled and blistered. Light green, sweet, tender, and well flavored. An early, erect growing sort. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 85c postpaid.



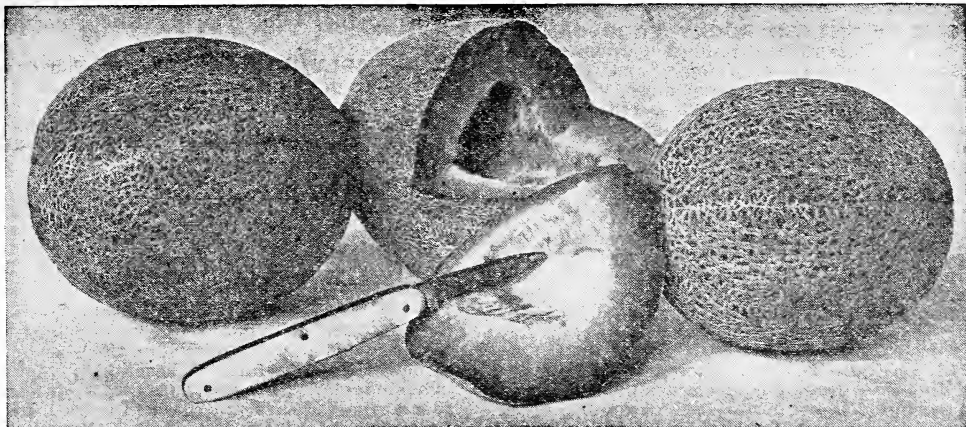
GRAND RAPIDS  
TO MAKE A HOTBED, SEE PAGE 24



# Musk Melons

One ounce to 50 hills; 2 to 3 pounds per acre. Earliest varieties ready in 90 to 100 days from sowing. General crop requires 115 to 140 days.

Melons thrive best in a light, rich soil. Plant when the ground has become warm and dry, and danger from frost is past, in hills 6 feet apart each way in well enriched soil 12 to 15 seeds in each hill. After all danger of bugs is over thin out to 3 plants per hill. When about three feet long, pinch off the tips to make them branch, and the fruit matures earlier. G. Green Flesh. S. Salmon Colored Flesh. Y. Yellow Flesh.



## OSAGE or MILLER'S CREAM

**EMERALD GEM. S.** Where an extra melon for home use is wanted nothing can equal this superb sort. Of medium size, outside skin emerald green and smooth. Ripens clear through to rind, which is very thin. Flesh is thick and juicy, of nice salmon color; for sweetness and rich, aromatic flavor it is unequaled. A prolific bearer and just the melon for the small grower. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00; postpaid.

**GRAND. S.** A most excellent new melon of a peculiar rich green color, slightly ribbed and netted. Has uniformly rich, thick, salmon-colored flesh of most excellent flavor. It is from ten to fourteen days earlier than Osage. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00; postpaid.

**HOODOO. S.** A new early orange flesh variety of oval shape and uniform in size. The flesh is very thick, of fine grain and sweetest flavor; a heavy yielder. Somewhat resembles Rocky Ford. Splendid shape for serving in halves. The rind being tough, makes it a good shipper. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. \$1.00; postpaid.

**LONG ISLAND BEAUTY. G.** Fruits of large size,

**OSAGE or MILLER'S CREAM. S.** A standard sort, medium size, oval, dark green, netted, and slightly ribbed. The flesh is thick, and firm, rich salmon, highly flavored and delicious to the rind. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00; postpaid.

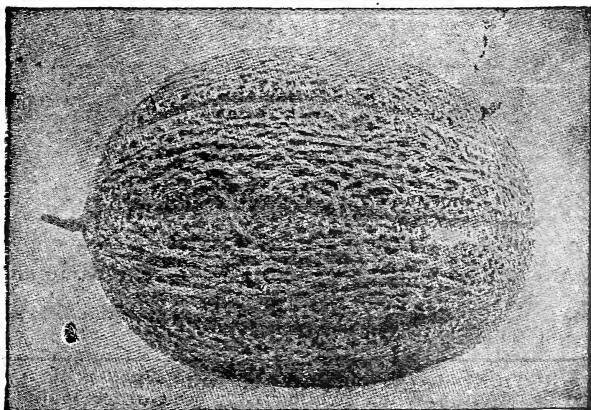
**ROCKY FORD. G.** This variety, well shown by our illustration, has everywhere been in great demand by the high-class hotels and restaurants. Hundreds of carloads have been shipped from the little town of Rocky Ford, Colo., to the large cities, taking the place of other varieties. Of just the right size for table use, slightly oval in shape, flesh thick, of light green color, and fine, juicy, luscious flavor. Very early and wonderfully productive. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25; postpaid.

well flattened, heavily ribbed and netted. Of very handsome appearance. Ripens as early and is similar to Hackensack, but superior. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 85c; postpaid.

**NUTMEG. G.** Fruits round, seven inches in diameter, slightly flattened at the ends. Well ribbed and heavily netted; thick pale-green flesh, sweet and melting. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c; postpaid.

**ROBINSON'S DELICIOUS GOLD LINED ROCKY FORD CANTALOUPE.** This strain of the Eden Gem type is the result of several years' selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs and it is heavily netted over the entire melon. Is thick meated, fine grained and sweet; color green with a gold margin next to the seed cavity. Price, pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.00; postpaid.

**TIP TOP. Y.** Every fruit produced, whether big or little, early or late in the season, is a good one—sweet, juicy and fine flavor, firm, but not hard fleshed, eatable to the very outside coating. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00; postpaid.



ROCKY FORD

SANTA CLAUS MUSK MELONS, SEE PAGE 5

## Musk Melons—Continued

**CHICAGO MARKET. G.** This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy, delicious flavor and free from rot. A favorite with all who prefer a green flesh sort. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c; postpaid.

**EDEN GEM or NETTED ROCKY FORD CANTALOUPE. G.** This magnificent new musk melon is a selection of the old Rocky Ford, which it completely surpasses in lusciousness, yield, carrying, and good selling qualities. In shape, it is somewhat longer and a trifle larger and closer and deeper netted. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25; postpaid.

**BANANA CANTALOUPE. S.** The melons grow 24 to 30 inches long; stand summer sun as no other cantaloupe will and continue to bear until late in the season. The salmon-colored flesh is thick and of delicious banana-like flavor. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.35; postpaid.

**BURRELL'S GEM. S.** Very much like the Rocky Ford, but has orange colored flesh. The flesh is fine grained and spicy. It is a good keeper. Fruits large and somewhat elongated. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 85c; postpaid.

**PAUL ROSE or PETROSKY. S.** It is an ideal melon. Form oval, about 5 inches in diameter. It has the flesh color and quality of Osage with a flavor entirely its own. It has no equal as a market melon for professional growers, as it does not break down in shipping. Its fine flavor, rich quality, netted skin and basket packing size makes it a winner. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00; postpaid.

**EXTRA EARLY HACKENSACK. G.** Ten days earlier than Hackensack. Melons weigh 4 to 10 lbs., each. This is one of the best, earliest, hardest, most prolific of netted melons. Fine flavor. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c; postpaid.

**HACKENSACK. G.** A popular variety of large size. It is round in shape, flattened at both ends, of most delicious flavor and wonderfully productive. Flesh green. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c; postpaid.

**VINE PEACH. S.** The fruit is a bright orange color, oval-shaped and about the size of an ordinary peach, which it resembles very much. These melons are not eaten raw unless when dead ripe, but are unequaled for pies, preserves or sweet pickles. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. 1.25; postpaid.

**SANTA CLAUS MUSK MELON, SEE PAGE 5**

## Free! 25c Coupon 25c Free!

WE WOULD LIKE VERY MUCH TO HEAR FROM OUR CUSTOMERS JUST WHAT SUCCESS YOU HAVE HAD WITH OUR SEEDS THIS PAST SEASON, AND IF THERE IS ANY PARTICULAR ARTICLE THAT YOU HAD EXTRA SUCCESS WITH, WE WOULD BE VERY GLAD INDEED TO HAVE YOU WRITE US, STATING THE CONDITIONS UNDER WHICH IT WAS GROWN, ETC.

WE WANT TO BECOME BETTER ACQUAINTED WITH THE SEED BUYERS THROUGHOUT THE COUNTRY. OF COURSE, THERE ARE SOME WHO DO NOT KNOW OF US OR AT LEAST DO NOT GET OUR CATALOG AND THESE WE WANT TO BECOME BETTER ACQUAINTED WITH.

IT IS EXPENSIVE TO ADVERTISE, NO MATTER HOW IT IS DONE AND, YOU MIGHT AS WELL RECEIVE THE BENEFIT OF THIS COST TO US, AND SO IF YOU WILL FILL IN THE LINES BELOW WITH THE NAMES AND ADDRESSES OF FIVE FRIENDS WHOM YOU THINK ARE INTERESTED IN GOOD SEEDS AND WOULD LIKE OUR CATALOG BUT DO NOT GET IT, WE WILL GIVE YOU FIVE OF ANY OF THE 5c PACKAGES OF GARDEN OR FLOWER SEED LISTED IN OUR CATALOG, YOUR SELECTION, ABSOLUTELY FREE POSTPAID, IF SENT IN WITH YOUR SPRING ORDER OF SEEDS.

Name .....	Town.....	State.....
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.....	.....	.....
.....	.....	.....

After filling in the above lines write your name and address here

Cut out and return to us.

**NOTICE**—Before sending your order look over the index as you will, no doubt, find something else you want. When sending your seed order include a few plants, poultry and bee supplies, insecticides, etc. Thus you will save time and express charges.

**LINCOLN BRAND SEEDS ARE BIG CROP SEEDS**

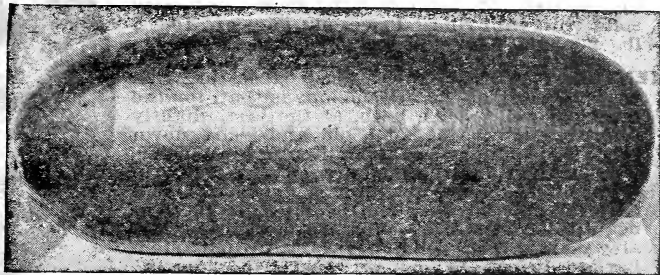


# Watermelons

Ready from 90 to 140 days from seed. One ounce to 30 hills; 4 lbs. per acre.

To get good strong vines early in the season, make large, well drained hills of earth, made very rich, about eight feet apart. In these plant the seed as soon as the ground is warm and dry, and carefully protect the young plants from insects, and hasten their growth by the use of liquid manure. ls., light seed; ds., dark seed.

**ALABAMA SWEET.** ls. This is a large oblong melon; color, dark green with faint lighter stripes. Being of good size though not ungainly, it is first class for shipping purposes. Its flavor is simply delicious, it is entirely stringless. We can not recommend it too strongly. Rind thin but very tough; flesh bright red, fine grained and sweet. Fruits average a little thicker than Florida Favorite. Seed white. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c; postpaid.



TOM WATSON

**BLACK BOULDER.** ds. It is enormously productive, nearly round in shape, reaching a mammoth size, with rich dark green skin; flavor equal to any melon, and shipping qualities excellent. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c; postpaid.

**COLORADO PRESERVING.** ds. This is a large fruiting strain of citron for preserving. Flesh clear white and very solid. Green seed. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**CUBAN QUEEN.** ds. One of the latest varieties, skin striped dark and light green; heavy cropper; flesh bright red, luscious, crisp, sugary. A favorite melon for home and market. One of the best keepers, and a first rate shipper. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**DUKE JONES.** (Jumbo.) ls. Very large, nearly round, dark green; flesh solid, deep red, and of fine quality. Very productive. A good shipper. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c; postpaid.

**FLORIDA FAVORITE.** ls. A splendid melon of very large size and excellent quality. Fruits long, dark green, mottled and striped with lighter shade; rind thin but firm. Flesh very bright, deep red, very sweet and tender. Vines vigorous and productive. Seed white. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c; postpaid.

**GYPSY or GEORGIA RATTLESNAKE.** ls. One of the largest, oldest and most popular sorts, especially in the South. Fruit very long, of light green color, distinctly striped and blotched with a darker shade. Flesh bright scarlet, very sweet and tender. Vines large and vigorous. Seed nearly white. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**HALBERT'S HONEY.** ls. A splendid sort for home use or local market. Vine vigorous and productive; fruit large and oblong; color dark glossy green; flesh very bright, rich red, and exceedingly sweet, extending close to the rind, too crisp and brittle to be a good shipper. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c; postpaid.

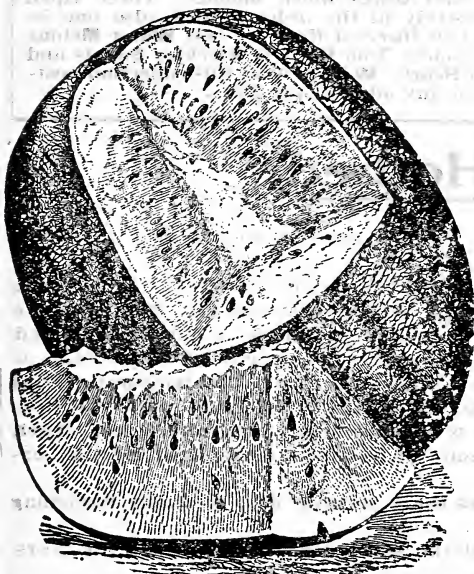
**ICE CREAM (Peerless).** ls. It is medium in size, almost round; the skin is pale green; slightly mottled; flesh bright scarlet, solid to the center; sweet, melting and delicious. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**McIVER'S WONDERFUL SUGAR.** ls. The melons attain a great weight, are of a very handsome appearance, never crack or lose their fine flavor. It is a very productive and hardy variety and one that will take the lead wherever known. Oblong; striped skin. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c; postpaid.

**THE DIXIE.** ds. This watermelon is the best shipping melon grown, being even larger, earlier and far more productive than the Kolb's Gem, which has heretofore been considered the best melon for shipping. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**TOM WATSON.** ds. The Tom Watson melon has in a few years become one of the most popular of all shipping melons. The fruits are similar in shape, color and splendid quality to the Kleckley Sweets, but average larger in size and have a tougher rind, making them especially adapted for shipping. They ripen but a few days later than the Kleckley Sweets. It is one of the very best melons to grow for the market and will command highest prices. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c; postpaid.

**SWEET HEART.** ds. Vine vigorous and productive, ripening its fruit early; fruit large, oval, very heavy, uniformly mottled. Green and light green; rind thin, but firm; flesh bright red, firm and solid but very melting and sweet. The melons retain their good quality for a long time. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.



SWEET HEART



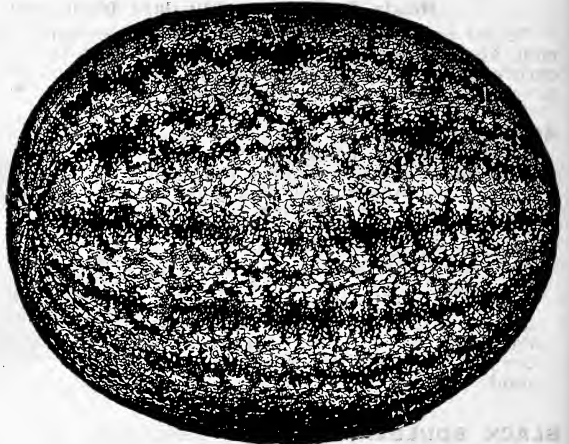
## Water Melons—Continued

**COLE'S EARLY.** This is a very choice melon for the home garden and can be grown farther north than any other variety. The flesh is bright red, crisp, and very delicate in texture; sweet and refreshing in flavor. It is an abundant bearer, of medium size fruit, and very solid with thin rind. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c; postpaid.

**KENTUCKY WONDER.** One just cause for criticism of many of the new melons is that, for the most part, they have been, at the best, slightly improved strains of some old and well known sort. This cannot be said of Kentucky Wonder. It is distinct, and the melon itself proves it. In shape it is oblong, attaining a good size; skin dark green and beautifully marked. Flesh a beautiful rich scarlet color, crisp, rich, sugary, always firm and solid, never mealy or tough. Large. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**PHINNEY'S EARLY.** Very early, quality good; hardy. Bears abundantly, medium sized, oblong melons with thin, smooth rind; flesh pink and tender. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**KLECKLEY'S SWEETS.** (Monte Cristo.) 1s. Large oblong melon, skin dark green. The rind is only about  $\frac{1}{4}$  inch in thickness. The scarlet flesh is sweet and sugary and is of such texture that it leaves no strings of pulp in eating. The melon is better for home use than for shipping, and we believe it is the best table melon today. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c; postpaid.



COLE'S EARLY

**KOLB'S GEM.** For many years a favorite sort among Northern market growers. On account of its excellent shipping qualities it is extensively grown for that purpose. Nearly round; color a dark green with lighter narrow strips. Very thin rind; flesh bright red, good flavor. Our seed is choice. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**MOUNTAIN SWEET.** The old standard, still quite popular in the North, where the large fruited Southern sorts do not ripen. Early, fruit large, oval, rind dark green, flesh scarlet. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.



KOLB'S GEM

### Collection No. 2

7 BEST LINCOLN BRAND MELONS  
25c POSTPAID

This collection will furnish an ordinary sized family plenty of first class Water Melons and Musk Melons all season. It includes one 5c packet of Emerald Gem, Rocky Ford, Paul Rose and Osage Musk Melons. These ripen successively in the order named, also one 5c packet of three of the very best Water Melons in existence, Tom Watson, Kleckley Sweets and Sweet Heart. We will send this collection postpaid to any address for 25c.

## To Make a Hotbed

A hotbed should face the south or southeast, be located on well drained ground and if possible be protected on the north by a building or high fence.

6x10 feet will be large enough for an acre of garden. Sashes are usually 3x6 feet. Dig a trench 2 feet deep, around this place a frame 16 inches high at the back and 8 inches in front. Fill the hole with fresh horse manure that has lain for a week or ten days, tramping it down firmly and covering with 4 inches of fine, rich, black soil. Place the sashes over the frame. After standing a few days lift the sashes to allow the rank heat and steam to pass off; when the temperature has subsided to 90 degrees F. sow the seed. It is best to bank the outside of the frame up to the sash.

The hotbed may be all above ground by making a pile of manure 2 feet high, and 3 feet longer, and 2 feet wider than the frame, fill in with black soil and complete as directed for the excavated bed.

When plants are nearly ready for outside lift the sashes every pleasant day, gradually hardening off the seedlings.

Frame and sash should be stored away at the close of the season and will thus last for years.

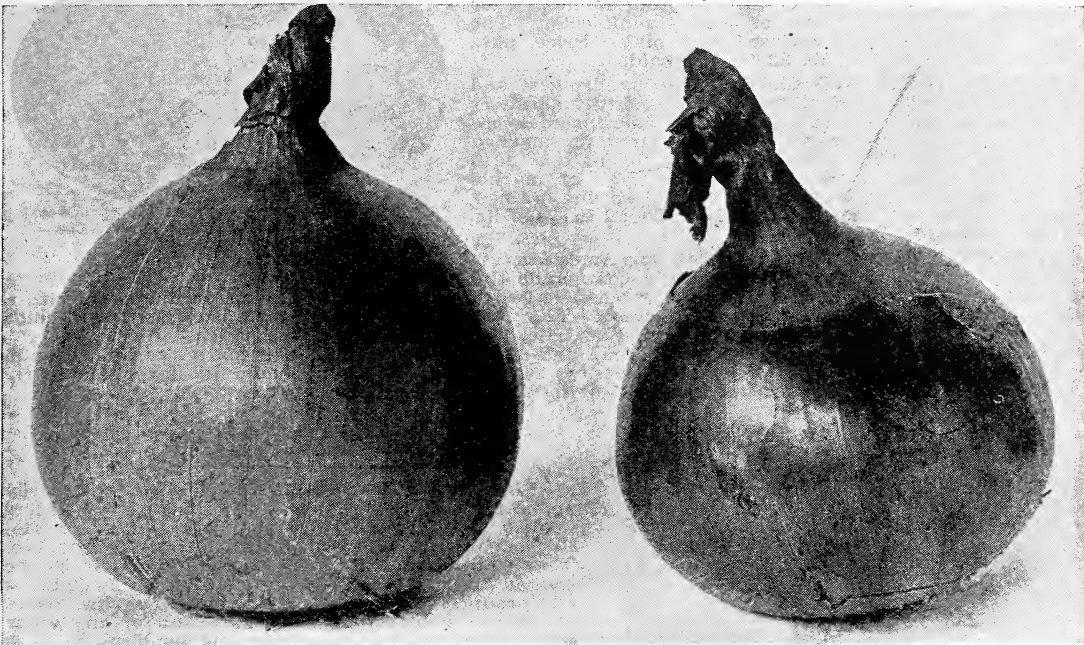
A 25 CENT COUPON FREE. SEE PAGE 22



# Onions

One ounce to 300 feet of drill; 4 to 5 lbs. to the acre. Ready for green onions in 60 days. Main crop matures in 130 to 190 days from sowing.

The onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground, contrary to the general rule, rather improves the crop than otherwise. As early as the ground can be worked in the spring, sow the seeds in drills 14 inches apart, covering half an inch. When the plants can just be seen in the rows, commence hoeing, just skimming the surface. Subsequently weed thoroughly and carefully by hand. When the tops die, pull the onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off  $\frac{1}{2}$  inch from the bulb.



**SOUTHPORT YELLOW GLOBE**

**AUSTRALIAN BROWN.** Distinct from all others; is nearly round, wonderfully hard and solid; ripens extremely early; never makes scullions; of medium size, skin a deep amber brown, flesh mild and agreeable. No other onion has such keeping qualities. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.20; postpaid.

**EXTRA EARLY RED FLAT.** Matures very early, yields abundantly, and is of mild flavor; medium size; deep red and solid. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.35; postpaid.

**MAMMOTH PRIZE TAKER.** One of the largest handsomest, finest flavored, and in every way a choice variety of yellow onion, having been grown to enormous weight of over 6 lbs. Of a clear, bright straw color, and uniform, perfect globe shape. Produces enormous crops, brings an extra price, being sold on the market as fancy onions. Keep wonderfully well. It is unexcelled, ripens up hard and firm, and presents the handsomest possible appearance in market, while the pure white flesh is fine

**MAMMOTH SILVER KING.** Averages 15 to 22 inches in circumference and weigh 2½ lbs. each. Grained, mild and delicate in flavor. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.35; postpaid. It matures early and is uniformly large and of good shape, is flat, but thick. Skin is clear silver white, flesh snowy white, tender, sweet and mild. Size, shape, color, quality, all make it ideal for exhibition, fancy market or table.

**YELLOW DANVERS**

Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$1.70; postpaid.

**SOUTHPORT YELLOW GLOBE.** Conspicuous, large, golden yellow spheres, of exceptional beauty; a late, large, main crop variety; best keeping quality. The buyer of a packet and the planter for carload shipments are equally enthusiastic over this gem among onions. Sacked or barreled for market. Its size, beauty, quality and fine appearance make it a trade winner. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.20; postpaid.

**WHITE PORTUGAL or SILVER SKIN.** Standard white variety for general culture. Bulbs grow to good size, ripening early and quite evenly. A good keeper. Flesh is very mild and sweet; the skin a clear, silvery white, of very handsome appearance. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 75c; lb. \$2.60; postpaid.

**WHITE QUEEN.** This is the best of all for small pickles and the earliest ripening onion in cultivation. The bulbs, of a pure paper-white, are generally very small, averaging only one and one-half inches in diameter, and are most mild in flavor. Should be grown in every garden for early use and for pickling. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 75c; lb. \$2.60; postpaid.

**YELLOW GLOBE DANVERS.** A fine productive variety, of medium size, skin coppery yellow, flesh white, comparatively mild and well flavored. Best of keepers. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25; postpaid.

**FOR BEE SUPPLIES, SEE PAGES 119-120**



## Onions—Continued

**GLOBE WETHERSFIELD RED.** Remarkable for size, earliness, productiveness, beauty of color, perfection of shape, and long keeping qualities. Possesses all the excellent qualities of Red Wethersfield and Yellow Globe Danvers. Price, pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.60; postpaid.

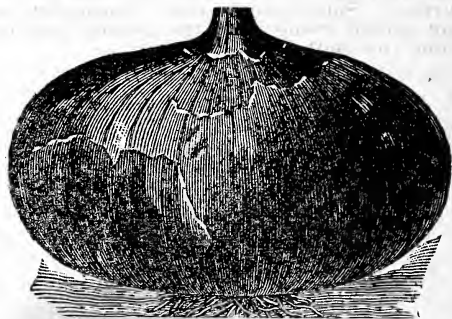
**LARGE RED WETHERSFIELD.** This is the standard and favorite variety. Large size, deep, purplish white, stronger flavored than larger varieties. Very productive and an excellent keeper. Price, pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40; postpaid.

**RED BERMUDA.** Bulbs of this variety are similar in form and early ripening to the Bermuda White, but grow large in size, ranging from three to four inches larger in diameter; very flat and of a light pink color. The flesh is white, slightly suffused with pink. Price, pkt., 5c; oz. 20c;  $\frac{1}{4}$  lb. 75c; lb. \$2.60; postpaid.

**SOUTHPORT LARGE RED GLOBE.** The handsomest and most richly colored of all red onions. Are remarkably uniform in size. The extra dark rich coloring makes a most attractive appearance when prepared for market. The plants are thin-necked, ripening down to a hard solid ball—insuring the largest percentage of market onions and the best keeping qualities. Flesh fine grained, milk and tender. Price, pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.65; postpaid.

**SOUTHPORT WHITE GLOBE.** Of all our American varieties of market onions, this generally commands the highest price. Of true globe form, the onions are two to two and a half inches in diameter, with a thin, delicate skin of purest paper whiteness. The flesh is crisp, fine grained, snowy white in color and very mild flavor. Price, pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 75c; lb., \$2.60; postpaid.

**WHITE BERMUDA.** The bulbs are quite broad and flat in form. The color is not a clear white, as in our American varieties, but rather a pale straw; fresh crisp, solid and mild in flavor and early ripening. Price pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 75c; lb. \$2.60; postpaid.



RED WETHERSFIELD



RED GLOBE WETHERSFIELD

## Onion Sets

**EGYPTIAN WINTER or RED PERENNIAL.** A hardy onion for September and October planting. Orders booked now. Entirely distinct from all other varieties of onion; being perfectly hardy everywhere. They should be planted in the fall and left in the ground all winter. These sets never form large bulbs but produce the earliest, small, green onions, ready for home or market use weeks ahead of any other sort, unsurpassed in sweetness and tenderness. It is best to replant every autumn and use both roots and tops the following spring. Slight winter protection is required, just a few inches of coarse litter spread on the crowns after the ground freezes to prevent root heaving. Orders sent before fall will be filled in September. Price, pt. 15c; qt. 30c; 2 qts. 50c; postpaid.

### PRICES

	Postpaid	By Express
	pt.	qt.
Red Bottoms .....	\$0.15	\$0.25
Yellow Bottoms .....	.15	.25
White Bottoms .....	.20	.30
Winter Tops .....	.15	.25

Write us for prices on onion sets in larger lots

### EXTRA FULL PACKETS AND PROMPT

Missoula Co., April 2, 1916.

Dear Sirs:

I have used your seeds for several years since coming to Montana and have had fine success with them. I am pleased with your extra full packets and your promptness in filling my mail order.

Yours truly, MRS. A. RENTRO.

## Take Your Pick

At the last minute we receive thousands of rush orders for seeds. Folks forget and have to order at the last minute. And we work night and day to take care of our customers. Now you can help and also be sure of getting seeds in plenty of time if you order early. It will be a big help and insure your getting your seeds on time.



## Parsley

One ounce to 150 feet of drill

Soak the seeds a few hours in lukewarm water and sow early in the spring in drills one foot apart. Thin out to four inches. A few seeds sown in onion rows use no space. To preserve in winter, transplant to a light cellar or glass frames. Parsley is esteemed for flavoring and for the beautiful appearance of the fresh green leaves as a garnish.



CHAMPION MOSS CURLED PARSLEY

**CHAMPION MOSS CURLED.** The plant resembles a tuft of finely curled moss, leaves extra large, and a rich deep green. Valuable for garnishing and also as ornamental foliage plants for borders of beds. Grows in window boxes. Price, pkt. 5c; oz. 15c;  $\frac{1}{2}$  lb. 35c; lb. \$1.00; postpaid.

**EXQUISITE.** Beautiful and closely curled leaves of dark green, flavor excellent. As a pot plant for winter in window or on dining table it is simply "exquisite." Price, pkt. 5c; oz. 15c;  $\frac{1}{2}$  lb. 35c; lb. \$1.00; postpaid.

**TURNIP-ROOTED or HAMBURG.** The root is the edible portion of this variety, and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to Celeriac. Very hardy and should be cultivated like parsnip. Extensively grown and used for flavoring soups, etc. Foliage same as plain parsley. Price, pkt. 5c; oz. 15c;  $\frac{1}{2}$  lb. 35c; lb. \$1.00; postpaid.

## Parsnips

One ounce to 100 feet of drill; 5 or 6 lbs. per acre. Matures in 125 to 140 days from seed.

Sow in April or early May. Cultivate the same as carrots. They may be dug in the autumn and stored for winter use, but if left in the ground till spring are very much improved in flavor. Sow a liberal quantity of seed, as from its nature it does not always come up well.

**HOLLOW CROWN.** Standard variety; roots long, very smooth; white, tender, sugary, and of excellent flavor. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 55c; postpaid.

**IMPROVED GURNSEY.** (Improved Half Long.) The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. Very smooth, the flesh fine grained and of excellent quality. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 55c; postpaid.



HOLLOW CROWN



WHITE VELVET

## Okra or Gumbo

One ounce to 40 feet of drill. Ready for table in from 90 to 105 days.

The pods when young are used in soups, stews, etc. The plants are of the easiest culture. Sow at the usual time for all tender vegetables, in drills two inches deep, setting the plants 2 feet apart.

**IMPROVED DWARF.** An early variety, pods comparatively short but very numerous. Price, pkt. 5c; oz. 15c;  $\frac{1}{2}$  lb. 25c; postpaid.

**WHITE VELVET.** Pods round, smooth, large and attractive; produced in great abundance. Price, pkt. 5c; oz. 15c;  $\frac{1}{2}$  lb. 25c; postpaid.

Get Your Garden Seeds cheap, See pages 22 and 42



# Peas

One quart to 100 feet of drill. 12 bushels per acre.

For the first early Peas sow in light, rich soil, as early in March or April, as the ground can be worked; for later varieties, sow in April or May. Discontinue sowing from June to August, after which, by sowing an extra early sort, a good crop can generally be secured. As Peas suffer considerably from drought during the hot summer months, it will be found of great benefit to sow the Peas in a trench six inches in depth, covering the Peas to a depth of two inches. As soon as sufficient growth has been made draw the earth about the vines. In this way a great deal more mois-



PREMIUM GEM

ture is kept about the roots than if sown on the level and afterwards hilled up. The wrinkled varieties are not so hardy as the smooth sorts and should be planted later, owing to their liability to rot in the ground, but are much superior in flavor to the smooth Peas. Dwarf varieties sow in rows 1 foot apart, and taller sorts from 2 to 3 feet apart. Those marked thus \* are wrinkled and sweet.

If sent by express at buyer's expense, 5c per pint or 10c per quart may be deducted from these prices.

## Extra Early Varieties

**ALASKA.** 2 feet. The earliest blue pea, of good flavor, dark green pods, well filled and ripen uniformly. One of the very best for market gardeners. Price, pkt. 5c; pt. 25c; qt. 40c; postpaid. Pk. \$1.75; by express.

**\*AMERICAN WONDER.** 1 foot. Of the finest quality. Very prolific, with pods of fine size and form; requires no brush or support. It may be planted a week apart for succession. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**\*NOTT'S EXCELSIOR.** 1 foot. Earliest wrinkled pea; of close, compact, dwarf growth. The pods average 3 inches in length, and are well filled to the squared ends with large peas, unusually sweet. It not only yields heavily in pods, but also in shelled peas. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.



NOTT'S EXCELSIOR

INCREASE  
YOUR  
CROPS.  
USE INOC-  
ULATING  
BACTERIA.  
Page 48.

Bee Supplies on Page 119 & 120. Send for Bee Catalog.



## Extra Early Varieties—Continued

**FIRST AND BEST.** Height 2½ to 3 feet. Standard, white seeded extra early. Vines are vigorous and hardy, bearing from three to seven pods, containing from 5 to 7 peas of good quality. Price, pkt. 5c; pt. 25c; qt. 40c; postpaid. Pk. \$1.75; by express.

**\*GRADUS or PROSPERITY.** 2½ feet. An extra early wrinkled variety bearing immense pods, large peas of finest quality, superior both in size and delicious flavor. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**LITTLE MARVEL.** An extremely valuable variety, especially suited to small home gardens and is also a splendid variety for early market gardening. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs and are closely filled with seven to eight peas of extra fine flavor. Price, pkt. 10c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**\*MCLEAN'S LITTLE GEM.** 1 foot. An early dwarf, green wrinkled pea, of superior flavor and very prolific. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**\*PREMIUM GEM.** 1½ feet. The pods are large and crowded with six to eight very large peas of fine quality. The seed is green, large, wrinkled, often flattened. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**SUTTON'S EXCELSIOR.** This handsome wrinkled pea is so hardy that it may safely be planted as early as the hard-seeded "Extra Earlys." The plants are dwarf, about 14 inches high, very stout, exceedingly productive, and the quality is all that could be desired. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**TOM THUMB.** 9 inch. A smooth, white sort, very dwarf. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. 2.00; by express.

## Second Early or Medium Varieties

**ABUNDANCE.** Height, 2 to 2½ feet. Seed green, wrinkled. This is a heavy yielding variety and is a capital sort for family use, possesses great sweetness and fine table qualities. The pods are round, 3 to 3½ inches long and well filled with from 6 to 8 peas. It stands fit for use a long time. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**\*ADVANCE.** 2½ feet. Long pods which are abundantly produced, and well filled to the end; of excellent flavor. A first-class pea in every respect. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**\*EVERBEARING.** 2 feet. Peas are very large, of excellent quality. For continuance and profusion of bearing, this variety is unexcelled, which gives especial value for the late summer and autumn use. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**\*HOSFORD'S MARKET GARDEN.** 2 feet. A great favorite with the market gardeners. Pods are large, well filled with large peas of a delicious sweet flavor. A prolific bearer. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

## Late or Main Crop Varieties

**\*CHAMPION OF ENGLAND.** 4½ feet. Vines are heavy, pods large, nearly straight, and well filled with tender peas, which are sweet and of excellent quality. It is a profuse bearer, most reliable late sort. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$1.75; by express.

**\*TELEPHONE.** 4 feet. Immensely productive. The pods are very large, so well filled with peas of excellent quality that Telephone has become one of the most prominent late peas to be grown for market. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

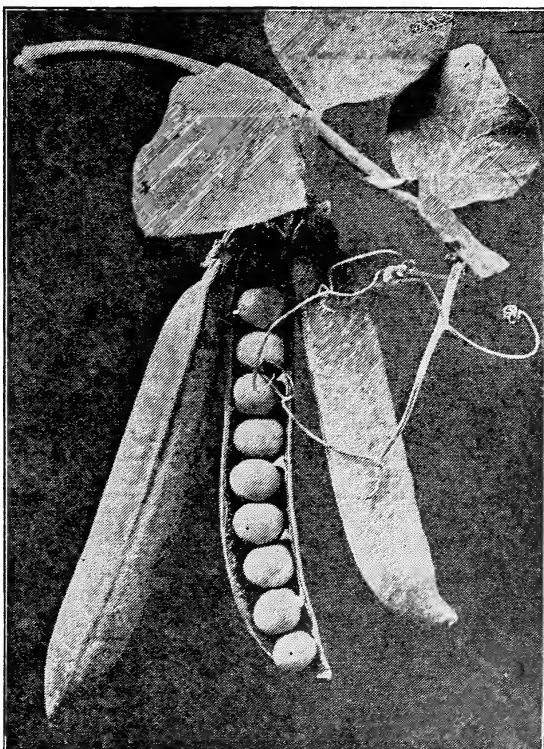
**\*IMPROVED STRATAGEM.** 2 feet. Vines of strong growth with large foliage; do not need any support. Pods of large size, well filled with large, dark green peas of rich, sweet flavor. One of the finest. Price, pkt. 5c; pt. 25c; qt. 45c; postpaid. Pk. \$2.00; by express.

**WHITE MARROWFAT.** 4 feet. Vines are very robust. Bears many pods, always well filled. The peas are of ordinary quality. Price, pkt. 5c; pt. 20c; qt. 35c; postpaid. Pk. \$1.40; by express.

**MELTING SUGAR.** This is the best of the edible peas. The pods grow about 5 to 6 inches long, are stringless and very tender, and may be used the same as a snap bean; 3 to 4 feet. Price, pkt. 5c; pt. 30c; qt. 45c; postpaid. Pk. \$2.00; by express.

**CANADA FIELD AND COW PEAS.** (See Forage Plants, page 50.)

\*Wrinkled and Sweet.

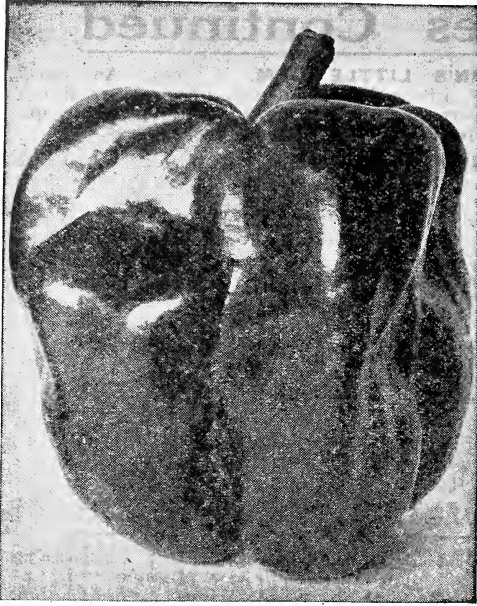


CHAMPION OF ENGLAND

## Low Quantity Prices See Page 40-41



# Peppers



CHINESE GIANT

One ounce to 2,000 plants. Requires from 125 to 160 days from sowing to maturity.

The small peppers are the hottest, the large varieties being quite mild in flavor. Sow in hotbed early in April and transplant to the open ground when weather is favorable. They may also be sown in the open ground when danger of frost is past and the soil is warm.

**CHINESE GIANT.** This desirable variety, of recent introduction, is undoubtedly the largest sweet pepper ever offered. The flesh is quite thick, very mild and remarkably sweet. Chinese Giant is certainly a wonder. The plants are of strong, stocky, growth, of bushy, erect habit, growing 18 inches to 2 feet in height, with abundant foliage. The compact plants are very prolific, setting 3 to 4 extra large fruits at the base, quite early in the season, which ripen while a second crop is setting on the branches. The fruit is quite square in appearance. Price, pkt., 5c; oz., 30c; 1 lb., 90c; postpaid.

**GOLDEN DAWN.** Golden yellow; mild and sweet, size and shape of Large Bell. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.

**LONG RED CAYENNE.** If you want a genuine hot pepper, the kind to use is the long, red Cayenne. This is the real red-hot kind. Grows 3 to 4 inches long and is very prolific, often one hundred or more to a single bush. Bright red; pods slender, hot and pungent. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.

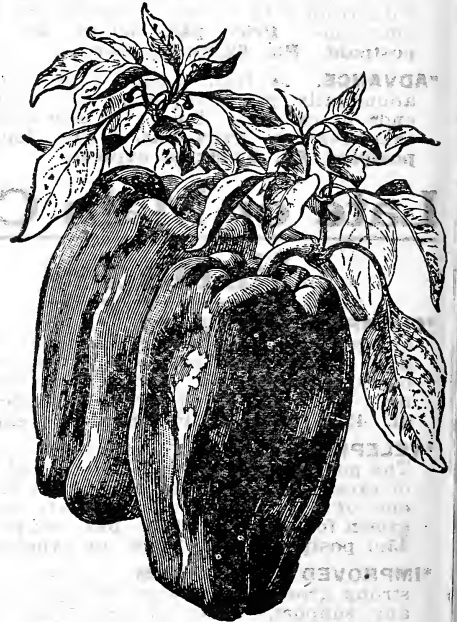
**LARGE BELL or BULL NOSE.** Large and early; square shouldered, flesh thick, and less pungent than most other sorts; much used for mangoes. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.

**MONSTROUS.** Of an irregular conical shape, one side usually being convex, the other concave. One of the most mild in flavor. Very large and of deep red color when ripe. Price, pkt., 5c; oz., 30c; 1 lb., 75c; postpaid.

**SWEET MOUNTAIN.** Similar to Bull Nose, though usually larger in size and longer; of very mild flavor. Much used for mangoes. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.

**RED CHILI.** Fruit is small, bright red, very hot and pungent. Plants are very productive. Generally used for making pepper sauce. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.

**RUBY KING.** This is the most popular large red pepper. Plants grow 2 feet high and bear a fine crop of handsome extra large, scarlet fruits. The flesh is quite thick, sweet, and so mild that the peppers may be eaten from the hand like an apple. Especially fine for mangoes. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.



RUBY KING

## Peanuts

Culture very simple. Plant in light, sandy soil in April, in pods or shelled, two to a hill on level ground. Hill up from time to time as required. Price, pkt. 5c; lb. 25c; postpaid.

## LINCOLN BRAND EXCELLENCY

We want to impress on all of our customers the necessity of buying pure seeds. We supply only such seeds as we find show a high percentage of purity. This is a very important matter to the planter. Quality in your seed counts more than in almost anything else. Beware of cheap seeds. The best is always the cheapest. When you are offered cheap lots of seeds you are almost sure to get poor quality. We reclean all of our seeds before sending them out, and put them up in first class bags; therefore, they are worth more than seeds that are not cleaned. It will pay you to take these facts into consideration when you decide from whom you are going to order your seeds the coming season. This guarantee of excellency applies also to all our supplies. The back pages of this book will be found filled with poultry foods and supplies, also all things used by the market gardener and fruit grower.

WE CARRY A FULL LINE OF GARDEN TOOLS, SPRAYERS AND SPRAY MATERIALS.  
WRITE FOR SPECIAL CATALOG.



# Pumpkins

One ounce to 50 hills; 3 to 4 pounds per acre. From 100 to 120 days from sowing to maturity.

Pumpkins are planted frequently in connection with a crop of corn, or as a second crop after early peas, etc. The following varieties are all thin and tender skinned, distinct from the hard or thick-shelled squashes. The fruits are quite susceptible to frost and should be gathered and stored in a cool, dry place. If bruised they will not keep any length of time.

**CONNECTICUT FIELD.** An immensely productive, large, orange-colored, field pumpkin, usually grown for stock feeding, but it also makes good pies. Price pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c; postpaid.

**SWEET POTATO.** Pear shaped, good size, skin creamy white. The seed is all in the cavity of the large end, the thick neck being solid; exceptionally fine quality. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 90c; postpaid.

**SMALL SUGAR.** Fruits of small size, averaging about ten inches in diameter, of excellent keeping qualities, flattened, slightly ribbed. Skin deep orange-yellow, flesh sweet. Very early. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 75c; postpaid.



SMALL SUGAR

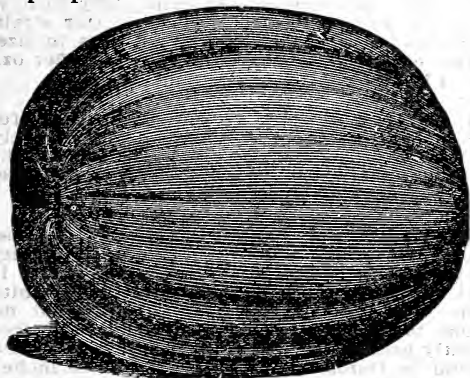
**JAPANESE PIE.** Early and productive, of medium size, large at one end, terminating in a crooked neck. Skin deep green with darker stripes; flesh is a rich salmon color; excellent quality; a good keeper. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 90c; postpaid.

**CUSHAW or CROOKNECK.** (Sometimes called a squash.) Productive; color light cream, sometimes lightly striped; flesh salmon colored; mealy and sweet. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 90c; postpaid.

**LARGE CHEESE.** This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." In size they average about as large as the Connecticut Field, but are flat shaped, with creamy buff skin and thick golden flesh; tender, large, hardy and productive. Excellent for table use. Good keeper. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c; postpaid.



**KING OF THE MAMMOTHS...** (Jumbo or Potiron.) Weighs from 40 to 150 pounds. Round, flattened at both ends, skin and flesh bright yellow. It makes a good table pumpkin. Good keeper. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.05; postpaid.



KING OF THE MAMMOTHS

## Sweet Potatoes

One bushel of potatoes should produce 2,000 sprouts. 6,000 to 7,000 plants to the acre.

Succeeds best in light, sandy soil. Stable manure is the best fertilizer. To obtain the sprouts, the entire potatoes are planted in beds, say 5 or 6 feet wide, and as long as required, the bed being opened 20 inches deep, filled with stable manure, and covered with 4 inches of sand. The potatoes are placed upon the sand 1 inch apart and covered with an inch of sand.

This is covered with old hay or trash till the sprouts appear, when more sand is added, after removing trash, till it is 4 inches in depth on top of potatoes. The sprouts must be detached from the tubers without disturbing them. To do this hold the tuber in place with the left hand while the sprout is taken with the right. The sprouts are transplanted to the field and placed in rows 4 feet apart by a foot in the row. Ninety days are generally allowed from transplanting to digging.

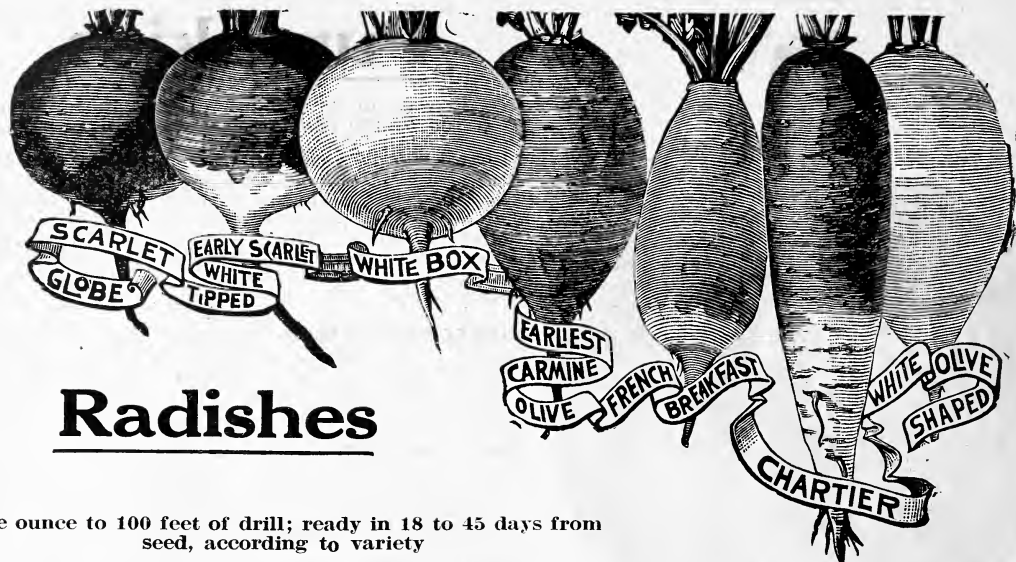
**YELLOW JERSEY, YELLOW NANSEMOND.** These are the most desirable varieties. Ready about April 1. Write for prices.

**SWEET POTATO PLANTS.** Ready about May 1. For prices see page 10.

**IRISH POTATOES.** See pages 43-44.

**Remember! Small Orders Receive the Same Attention as Large Ones**





## Radishes

One ounce to 100 feet of drill; ready in 18 to 45 days from seed, according to variety

Radishes must make a rapid growth to be crisp and tender. For early use sow in the hotbed, half an inch deep. For an early crop in the open ground sow thinly in drills on rich, sandy soil as early in the spring as it is fit to work. For a succession sow every two weeks.

**EARLY BIRD.** Decidedly the earliest of radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from the time of sowing the seed, which makes it one of the most desirable sorts ever offered for either forcing or outdoor culture. It is round, or turnip shape; of bright scarlet color and pure white flesh, which is tender, crisp and of the very best flavor. It has few and short leaves, which admit of very close growing, thus producing a large number of bundles of radishes on the same ground. Very desirable for the home garden and a money maker for the market gardener. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 60c; postpaid.

**GLASS or CINCINNATI MARKET.** This new radish is a fine acquisition. It is a long radish of light red color, of uniform size. The flesh is transparent white, always crisp and brittle, even if grown to a large size, and mild flavored. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 60c; postpaid.

**\*NON PLUS ULTRA FORCING.** This variety has as small a top and is as early as any in cultivation, making it one of the best for forcing under glass. Roots ready to pull may be had in three weeks and they remain fit for use longer than any other early variety. They are small, globular, smooth, very deep red in color; flesh is white, crisp, tender and mild in flavor. May be planted very closely owing to their small tops. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 60c; postpaid.

**EARLY SCARLET TURNIP, WHITE TIP.** A most popular and attractive variety, a great favorite in many large markets. The radish is bright scarlet, with white tip, and of a beautiful shape; flesh white, crisp and finely flavored. Our strain is the finest in the market. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 55c; postpaid.

**EARLY SCARLET TURNIP, SHORT TOP.** The long, slender, handsomely colored roots are most attractive in appearance, crisp, brittle and of the choicest quality. They attain a length

of 5 to 6 inches, grow half way out of the ground and are ready for use in about 25 days. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 55c; postpaid.

**CHARTIER.** One of the best varieties for growing outdoors. The radishes are in good condition for the table very early and remain hard and crisp until they reach a diameter of about 1 $\frac{1}{2}$  inches, thus affording good roots for a long time. Roots are long, cylindrical, gradually tapering to a point, are scarlet rose in color, shading into white at the tip. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 55c; postpaid.

**EARLY SCARLET GLOBE.** A very handsome radish of rich, bright, scarlet color, and oval shape, with very small tops; the flesh is delightfully crisp, juicy and tender. An extra early variety, fit to be pulled in about 3 weeks. Our strain was selected with the greatest care as to size, shape, color and earliness. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 55c; postpaid.

**ROSY GEM.** We have a very clean, beautiful strain of this popular sort. It is extremely early, maturing in 25 days. It is round, bright scarlet and has a handsome white tip. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 60c; postpaid.

**SAKURAJIMA.** A Japanese radish of immense size; some single specimens of this variety weigh as much as 15 pounds. In shape it is oval with cream colored skin and pure white flesh. Roots are cooked like turnips, but no strong taste accompanies them, such as is frequently present with cooked turnips. The plants should be thinned out to from 12 to 15 inches apart in the rows, so as to admit of full development; must be sown in May; takes whole season to develop roots. Price, pkt. 5c; oz. 15c;  $\frac{1}{2}$  lb. 35c; lb. \$1.10; postpaid.

**STUTTGART.** Early giant white, large top-shaped, often 4 inches across, flesh and skin white. Remains crisp and solid even after it has attained its full size. Can be stored for winter use. Price, pkt. 5c; oz. 10c;  $\frac{1}{2}$  lb. 20c; lb. 65c; postpaid.

**Low Prices on Seeds--See Pages 40 & 41**



## Radishes—Cont.

**\*EARLIEST CARMINE OLIVE.** Excellent quality; very bright and attractive. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c; postpaid.

**EARLY SCARLET TURNIP.** A round red, turnip-shaped radish, with a small top and of very quick growth. A very early variety, deserving general cultivation on account of its rich color and crisp, tender flesh. Very desirable for early outdoor planting, as well as for forcing. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c; postpaid.

**FRENCH BREAKFAST.** A great favorite. Beautiful, bright scarlet, with pure white tip. Oblong in shape, medium size, makes rapid growth. A fine table variety on account of its excellent quality and attractive appearance. Fine for open ground or forcing. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 55c; postpaid.

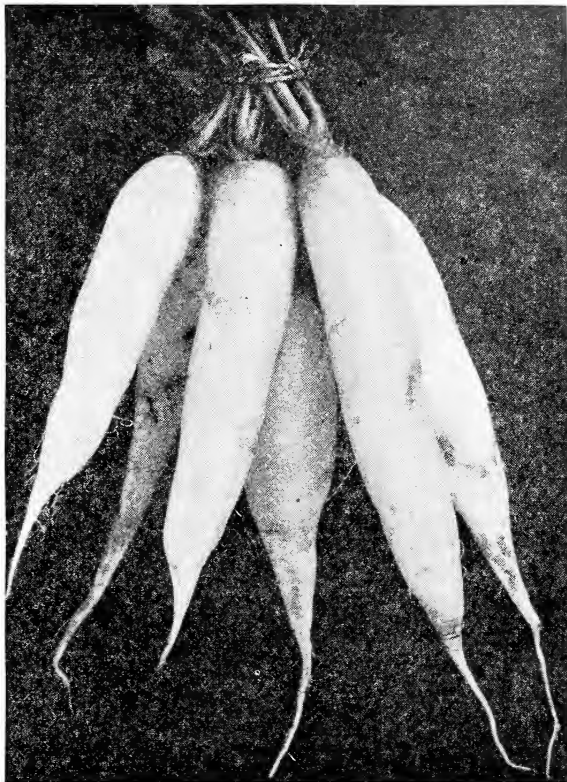
**\*GIANT CRIMSON GLOBE.** This is a new variety suitable for forcing or early planting out of doors. It will grow to 6 and 7 inches in circumference and still remain solid and juicy, often 4 inches across. It is round to oval, and is very attractive. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 70c; postpaid.

**LONG WHITE VIENNA or LADY FINGER.** Pure white in color, of long tapering shape, very attractive in appearance, sweet, mild and delicious. Matures in 25 days. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c; postpaid.

**NEW SPARKLER.** A distinct, new 18 to 21-day radish; has a beautiful bright scarlet top, with tip of purest white. It is solid, crisp and sweet, remaining so for a long time. Price, pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00; postpaid.

**WHITE ICICLE.** Finest of early, pure white varieties. Ready for pulling in about three weeks from sowing. Long and slender, clear pure white, making them very attractive when on sale and on the table. It is crisp and tender both when young and until it attains larger size. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c; postpaid.

**WHITE STRASSBURG.** Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. Four inches long, 2 inches thick. Price pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c; postpaid.



ICICLE

**WHITE BOX.** Popular white variety grows quite large. Price pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**WHITE OLIVE FORCING.** White flesh and skin; crisp and mild flavor. Price pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c; postpaid.

## Winter Radishes

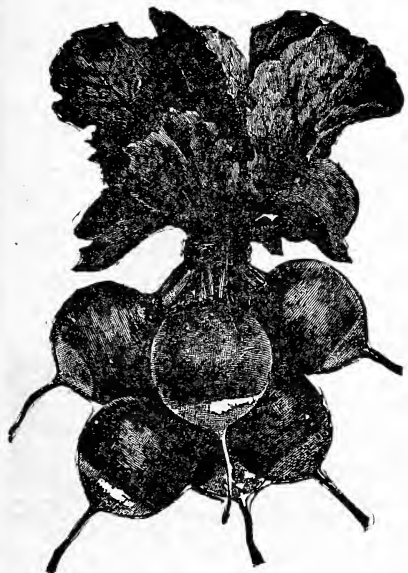
**CALIFORNIA MAMMOTH WHITE.** Pure white, about 1 foot long and 2 or 3 inches through, tapering regularly to tip. The flesh is tender and crisp, keeping well through the winter. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c; postpaid.

**CHINA ROSE WINTER.** Bright rose colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c; postpaid.

**LONG BLACK SPANISH.** One of the largest, latest, as well as the hardest of radishes. Roots of medium size, oblong black and flesh is of firm texture. Price pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c; postpaid.

**ROUND BLACK SPANISH.** Roots round, sometimes top-shaped, 3 or 4 inches in diameter, skin black; flesh white. Fine for winter use as the roots keep a long time. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c; postpaid.

\*For greenhouse forcing, hotbed planting or for extra early outdoors.



NEW SPARKLER

## Collection No. 3

7 BEST RADISHES, 25c; POSTPAID

This collection includes 1 packet each of the following best varieties: Early Bird, Early Scarlet Turnip White Tip, Icicle, French Breakfast, Early Long Scarlet, Crimson Globe and Chinese Rose Winter, all for 25c, postpaid.

**Make 25c in five minutes see page 22**



# Squash

From planting to maturity 100 to 125 days

If the winter varieties are not planted until the latter part of June they are more liable to escape the ravages of the borer. Gather before injured by the frost for winter use, care being taken not to break the stem from the squash, as the slightest injury will increase the liability to decay.

## Summer & Early Sorts

One ounce to 20 hills; 4 to 5 lbs., to the acre. Hills 4 feet apart each way.

Ready for use in from 55 to 65 days from planting.

Any good, enriched soil is adapted to the growth of the Squash. The seed should not be sown in the spring until danger from the frost is past and the ground is warm and thoroughly settled. Keep the earth about the plants loose and clean. Three plants to the hill. For remedy against bugs see Insecticides, Page 114.

**FORDHOOK.** Small, oblong, shell yellow; flesh dry and sweet, and of good flavor. Very early; desirable for either summer or winter use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c; postpaid.

**GOLDEN BUSH SCALLOP.** A very early, flat, scalloped variety; skin deep yellow; flesh pale yellow and well flavored. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb., 25c; lb., 65c; postpaid.

**SUMMER CROOK NECK.** Very early and productive. Fruit about one foot long, with crooked neck and warty surface; color bright yellow. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 65c; postpaid.

**WHITE BUSH SCALLOP.** (Patty Pan.) Very early, skin white, flesh tender and delicate, bears abundantly. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 65c; postpaid.

**DELICATA SQUASH.** A perfect all-season Squash, summer and winter crop on one plant. Produces fifteen to twenty fruits to a vine. Delicious chestnut flavor. Delicata produces an enormous number of fruits of such convenient size that the entire squash can be used at one time. It is ready almost as soon as the early summer sorts, is better flavored, and remains in perfect condition as long as any keeping variety. Its flavor when cooked has been compared to the sweet potato, others liken it to roasted chestnuts, but all agree that it is delicious. The fruits are about 9 inches long, and when ripe are deep yellow, irregularly striped and mottled with a dark olive green. The flesh is thick, fine texture and pale yellow in color. It is unexcelled for baking—the shape and size make it perfect for this purpose and none is better for pies. When boiled it is dry, granular and mealy. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50; postpaid.

## Fall and Winter Sorts

One ounce to 20 hills; 3 to 4 lbs. to the acre. Hills 8 feet apart each way.

**BOSTON MARROW.** (Autumnal.) Large, oval form, skin bright orange, mottled with cream color; flesh rich salmon yellow, fine grained and good flavor, unexcelled for pies. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 65c; postpaid.

**CHICAGO WARTED HUBBARD.** Large size, dark green color, distinguished by a dense covering of knots (warts), a sure indication of splendid quality, thick flesh; good keeper. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c; postpaid.

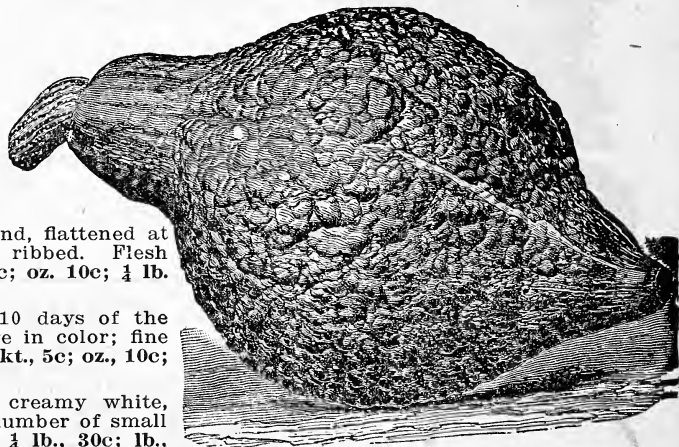
**GOLDEN HUBBARD.** Similar to the above, except that the skin is deep, orange yellow. Flesh fine grained and of exceptional flavor. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 85c; postpaid.

**MAMMOTH CHILI.** Enormous size, round, flattened at ends, skin orange color and slightly ribbed. Flesh thick and deep yellow. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb., 95c; postpaid.

**ORANGE MARROW.** The earliest by 10 days of the winter squashes. It is creamy orange in color; fine form, handsome appearance. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 65c; postpaid.

**PERFECT GEM.** Nearly round; skin creamy white, flesh fine grained. Vine bears great number of small squashes. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 85c; postpaid.

**WINTER CROOK NECK.** Fruit long and crook-necked, skin dark green mixed with yellow. A fine keeper. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c; postpaid.



HUBBARD SQUASH



## Squash—Continued

**MARBLEHEAD.** Resembling the Hubbard, but of a lighter color, and is remarkable for its sweetness, dryness and delicious flavor. Good keeper. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 80c; postpaid.

**SIBLEY.** (Pike's Peak.) Pear-shaped with stem on large end, skin smooth, pale green; flesh thick, orange color; very dry, rich and delicate flavor. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 80c; postpaid.

## Spinach

One ounce to 100 feet of drill; 12 lbs. to the acre

Cultivated very extensively for "greens." A profitable crop for market. Select a rich, well-drained soil, highly manured. For a succession, sow early in April and again in May in drills, one foot apart and one inch deep, properly thinning out when the plants are an inch in the leaf. For early spring use, sow early in autumn and protect the plants with a light covering of leaves or straw.

**BLOOMSDALE (Savory).** The earliest of all and one of the best; the leaves are

**SIBLEY** numerous, curled and wrinkled. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 70c; postpaid.

**LONG-STANDING.** (Thick Leaved.) A fine market sort. Leaves large and thick, somewhat crumpled. Does not run to seed early. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 70c; postpaid.

**NEW ZEALAND.** Entirely different from true spinach in type, in that it thrives during hot weather and in any soil, rich or poor. The tender shoots with golden yellow leaves are of good quality and may be cut throughout the summer. This is something new, but extra good. Plant three or four seeds in hills two feet apart each way. Price, pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00; postpaid.



## Salsify or Vegetable Oyster

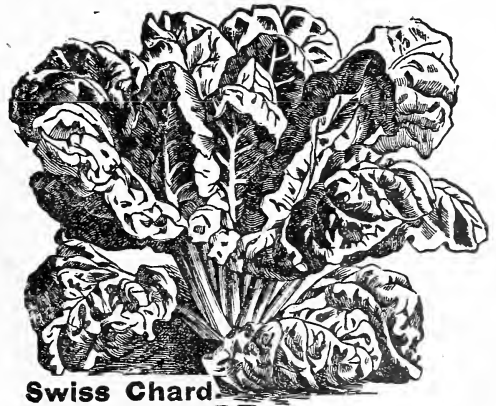
One ounce to 75 feet of drill

Resembles a small parsnip, and when thinly sliced and cooked is a good substitute for oysters, having a very similar flavor. It succeeds best in light, rich soil. Sow early and quite deep. The leaves when they first appear look like grass, making it specially important to plant in rows. Thin out and cultivate like the carrot. Roots are perfectly hardy, and may remain out all winter, but should be dug early in the spring; store a quantity for winter use in cellar.

**MAMMOTH SANDWICH ISLAND.** Grows uniformly to an extra large size. The root is pure white and of superior quality. Invaluable to market gardeners. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.60; postpaid.

## Swiss Chard or Sea Kale

Far superior to the common beet for greens, of almost the same flavor and equal to spinach. It is much easier to wash and prepare for the table. Sown early in spring in rows; thin seedlings out to 6 inches in the rows, it makes rapid growth of leaves, and is fit for use for greens sooner than any other variety, and can be cut throughout the entire summer. Later the leaves grow very large, with broad, flat, wax-like stems and mid ribs, which may be cooked like asparagus, or made into pickles. Price, pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00; postpaid.



Swiss Chard

## Tobacco

1 ounce will sow about 25 square feet and produce plants for 1 acre

**CONNECTICUT SEED LEAF.** An old, well-known variety. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; postpaid.

**HAVANA.** Best for the manufacture of cigars. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; postpaid.

TO MAKE A HOTBED SEE PAGE 24; VEGETABLE PLANTS PAGE 42





Mature in from 90 to 150 days from planting  
1 ounce to 2,000 plants,  $\frac{1}{4}$  lb. (transplanted)  
per acre

For early plants sow seed in boxes or hot-beds in March. When the plants are about two inches high, transplant to four inches each way. Set out of doors as soon as danger from frost is over. Transplant carefully four feet apart each way, and cultivate well as long as the vines will permit. To obtain early fruit, pinch off the ends of the branches when the first fruit is set.

**DWARF CHAMPION.** (Tree Tomato.) A great favorite. Extra early dwarf and compact in habit, the plant growing stiff and upright, fruit smooth, medium sized, purplish-pink. Price, pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; postpaid.

**CRIMSON CUSHION.** A continuous and late fruiter. Of immense size, often weighing a pound, and smooth as an apple. Ripens thoroughly all over. Nearly round and of very good quality, being free from acid taste; color, bright scarlet. Nearly seedless and as solid as beef-steak. A prodigious bearer. Price, pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; postpaid.

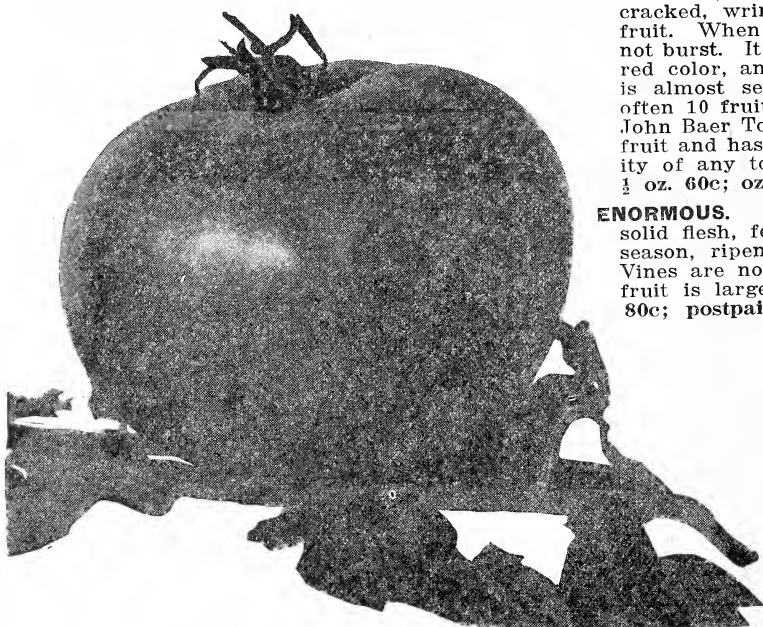
**DWARF STONE.** (Livingston's.) Very early and productive; in size, color and quality of fruit equals the Stone; in habit of vine resembles Dwarf Champion, but is stronger and more erect, admitting very close planting. Price, pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 65c; postpaid.

**BEAUTY.** Most popular of the large purple sorts. Vines large, vigorous, heavy bearers; fruit large, uniform, very smooth purplish, pink skin; flesh light pink, excellent flavor. Price, pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; postpaid.

**LIVINGSTON'S CORELESS.** A new, large main-crop variety. In shape it is almost round, having about the same diameter each way. It has no green core, and is of a bright red color, making it valuable either for slicing or for canning. It is very productive and the firm, solid flesh makes it one of the best market varieties. It ripens all over at the same time. Price, pkt. 5c; oz., 35c;  $\frac{1}{4}$  lb. \$1.00; postpaid.

**JOHN BAER.** The best tomato on earth. It is the offspring of two marvelous tomatoes, the result of 15 generations of improvement and selection. It produces the most perfect, high crown red tomatoes in 30 days, also an enormous crop under ordinary conditions; 50 to 100 fruit to each plant, ripens evenly right up to the stem, no cripples, no scalds, no blight, no cracked, wrinkled, one-sided, uneven, scarred fruit. When dead ripe John Baer tomato will not burst. It has a wonderful glistening, bright red color, and a mild, delicious, sweet flavor, is almost seedless, a marvelous stem setter, often 10 fruit in first cluster, solid and meaty. John Baer Tomato is the earliest, finest shaped fruit and has the best color and shipping quality of any tomato on earth. Price pkt. 15c;  $\frac{1}{4}$  oz. 60c; oz. \$1.00;  $\frac{1}{4}$  lb. \$2.50.

**ENORMOUS.** Very large, beautifully smooth, solid flesh, few seeds rather oval shape, mid-season, ripens all through the fruit at once. Vines are not so productive as Matchless, but fruit is large. Price, pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 80c; postpaid.



JOHN BAER

### Finest Ever

Smith County, Kans.,  
Febr. 2, 1916.

Gentlemen:

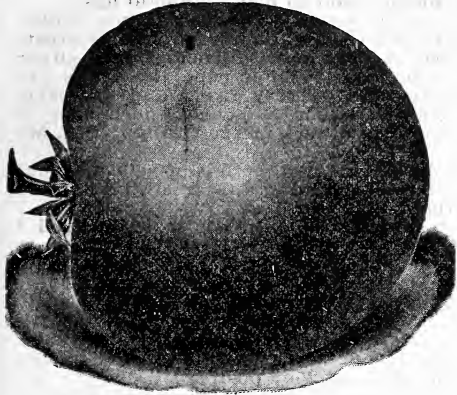
I got some of your John Baer Tomato seed of you last year and must say I raised the largest crop of fine tomatoes I ever grew.

Yours truly,  
C. V. EBERSTEIN.

For Other Tomatoes See Page 5



## 25075 Tomatoes—Continued



NEW GLOBE

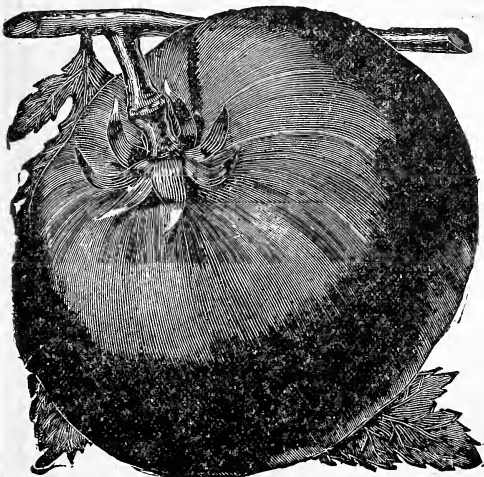
sort; early; ripens all over and through at once. Will stand shipping long distances. Very few seeds and has no hard, green core. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; postpaid. No hard, green core. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; postpaid.

**TROPHY.** Very fine late, bright scarlet tomato. One of the best; fruit large, smooth, very deep red color, good flavor. Well known and largely planted. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; postpaid.

**GOLDEN QUEEN.** Best large yellow variety. The superior flavor of the large yellow varieties is bringing them into favor as table fruit. Ripens very evenly; fruit is smooth, of good quality and fine flavor. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; postpaid.

**JUNE PINK.** An extra early purple-fruited tomato similar to the popular-scarlet-fruited Earliana in growth of vine, shape and size of fruit and time of maturing. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 80c; postpaid.

**LIVINGSTON'S HUMMER.** It is as round as a ball, and there is very little indenture about the stem, there is practically no waste in preparing the fruits for use. The flesh is rich crimson scarlet and of a very fine quality. Ripens early, and is especially good for can-



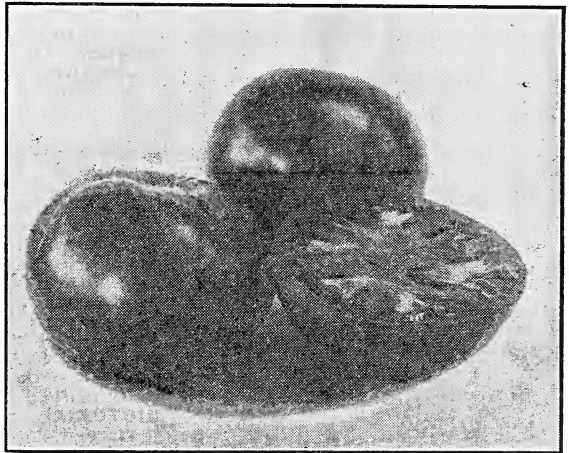
PONDEROSA

**ACME.** An early, purple fruited tomato, very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruits ripen early, and the fine, smooth, large tomatoes are produced until frost comes. One of the A1 standard varieties. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; postpaid.

**CHALK'S EARLY JEWEL.** The largest, smoothest, and finest flavored, early bright red tomato; so hardy that a very early planting can be made in the open ground. The foliage protects the fruit, borne in clusters, from sunscald, enabling the heavy crop to ripen perfectly. The tomatoes are bright scarlet, deep globe shape, and solid. Produced continuously throughout the season. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; postpaid.

**EARLIANA.** It is a full week ahead of all others. Plants of strong growth and very productive. Fruits large, deep red and of superior quality. Smooth and free from cracks. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; postpaid.

**FAVORITE.** (Livingston's.) Large, smooth, blood-red



EARLIANA

ning. Not quite as large as some varieties, but a good keeper, thus making it a good variety for marketing. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. 95c; postpaid.

**LIVINGSTON'S NEW GLOBE.** Beautiful globe shape, permitting greater number of slices than with flatter sorts. Among the first to ripen, large size, very smooth, firm fleshed, few seeds, ripens evenly; color rose, tinged purple. Flavor excellent. A good general cropper; one of the best for forcing. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; postpaid.

**PONDEROSA.** This is the largest fruited tomato, and is of a fine quality for slicing. The vines are of strong growth; fruits oblong in form, deep through and generally ridged or ribbed; deep purple in color. They are solidly fleshed with small seed cells; of fine flavor. Planted in good soil, fruits frequently attain weight of 1 lb. or more. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; postpaid.

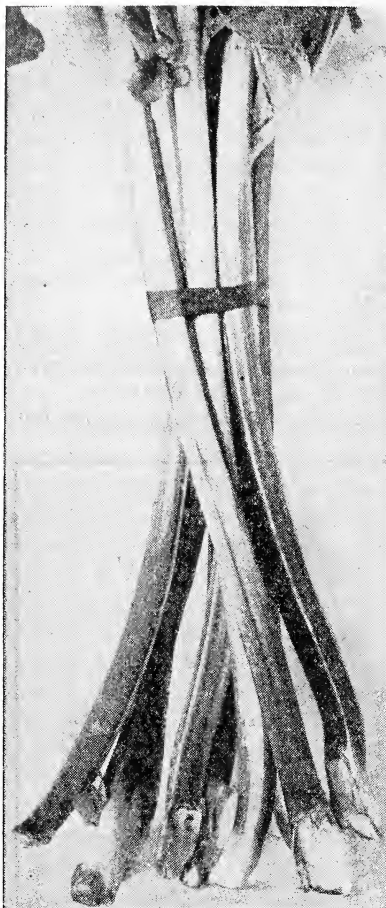
**QUARTER CENTURY.** Very early. Like the Dwarf Champion, only bright red. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; postpaid.

**STONE.** This variety is very large and of a bright scarlet color; smooth ripening to the stem without a crack; exceedingly solid; an excellent shipper; quality very best; fine for canning; a good keeper; not subject to rot; its vines and foliage rank and robust. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; postpaid.

For Tomato Plants See Page 42



## Small Tomatoes



LINNAEUS

- Used for preserves, pickles, and to make "tomato figs"
- HUSK TOMATO.** Makes fine preserves. This useful fruit, which is also called Strawberry and Ground Cherry Tomato, is greatly valued as a preserve, it also makes delicious pies either when ripe or dried with sugar. When ripe the fruits are half an inch in diameter and of very sweet and agreeable flavor. The vines cover the ground and yield enormously of the fruit, which is enclosed in a husk or fruit calyx. **Pkt. 5c; oz. 25c; postpaid.**
- YELLOW CHERRY.** Fruits are of a light lemon-yellow, about half an inch in diameter, bears early and freely until frost. **Pkt. 5c; oz. 25c; postpaid.**
- YELLOW PLUM.** The fruits average 2 inches in length and 1 inch in diameter, of a bright lemon-yellow; fleshy, and of excellent flavor. **Pkt. 5c; oz. 25c; postpaid.**
- RED CHERRY.** About five-eighths of an inch in diameter, borne in clusters; light scarlet. **Pkt., 5c; oz. 25c; postpaid.**
- YELLOW PEAR.** A favorite with all who know them. Fruit is pear-shaped and of a deep yellow color. Highly valued as a table delicacy raw, also for preserving or to make "tomato figs"; fine pickled. **Pkt. 5c; oz. 25c; postpaid.**
- RED PEAR-SHAPED.** This is a leading favorite for preserves and also to make "tomato figs." The fruit is bright red, of true pear shape, and of rich distinct flavor. The larger plum-shaped tomato, often sold under the same name, is not equal to the true variety. **Pkt. 5c; oz. 25c; postpaid.**
- PEACH.** The fruits average  $1\frac{1}{2}$  inches in diameter. Skin is covered with a slight bloom of pubescence, as is a peach, and of beautiful pinkish coloring. **Pkt. 5c; oz. 25c; postpaid.**

## Rhubarb

### One Ounce to 500 Plants

Rhubarb is an excellent spring food, possessing medicinal properties. It is the first vegetable of the season from the garden, and no planter should be without it.

The richer the ground is the better. Sow in drills an inch deep, and thin to six inches apart. In the fall transplant into very highly manured and deeply stirred soil, setting them four feet apart, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed. In removing be careful to pull off close to the roots instead of cutting.

**VICTORIA.** Stalks very tall and large; skin thick and red-stained; pulp quite acid; very productive. **Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; postpaid.**

**LINNAEUS.** A large and tender sort, sometimes called wine plant. **Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; postpaid.**

**RHUBARB ROOTS.** Set in spring and they will be ready for use in the following season. **10c each; postpaid. 5c each, 50c per doz.; by express, not prepaid.**

## Turnips

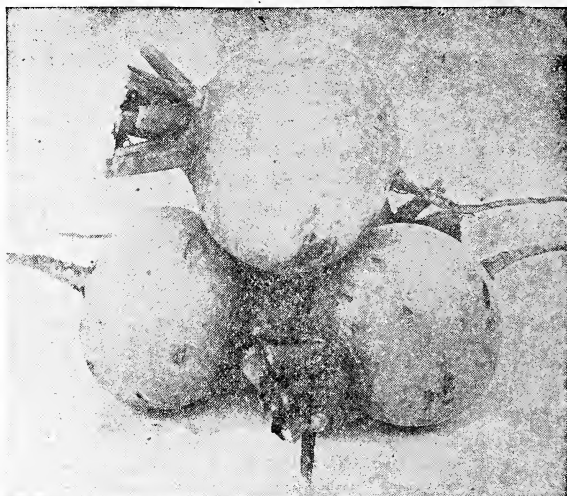
1 oz. to 150 ft. drill  
2 lbs. to acre

The turnip is most easily affected in form and flavor, by soil, climate and mode of culture. Sow in drills about 16 inches apart and half an inch deep, or sow broadcast, but in either case be sure to have the ground rich and freshly dug. Sow for main crop from the middle of July to last of August. In the field, turnips are generally sown broadcast, though much larger crops are obtained by drill culture.

### EARLY WHITE FLAT DUTCH STRAP LEAVED.

A most excellent garden turnip and, like Purple Top Strap Leaf, a standard flat variety, maturing at the same time. Root medium sized, from 4 to 5 inches in diameter and about 2 inches thick; color white; flesh sweet and tender, and very desirable for table use; a good keeper. **Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.**

**Lincoln Brand Seeds  
are the Best**



EARLY WHITE SNOWBALL



**COW HORN.** A white turnip of peculiar long shape and quick maturity. It grows to a large size, standing half out of the ground. Pkt. 5c; oz. 10;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**EARLY PURPLE TOP GLOBE.** D deservedly popular heavy producer, of rapid growth, and superior quality; either for the table or stock. An excellent keeper. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**EXTRA EARLY PURPLE TOP MILAN.** Two weeks earlier than any other. Flat; white, with purple top; flesh white; fine grained and delicate. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c; postpaid.

**EXTRA EARLY WHITE MILAN.** The earliest of all turnips, and of excellent quality. Top is very small, upright and compact, so the rows can be planted close together. The roots are clear white, very smooth, flat and symmetrical. The flesh is white, sweet and tender. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c; postpaid.

**GOLDEN BALL.** A most delicate and sweet, yellow-fleshed turnip of excellent flavor. Not of large size, but very firm, hard and keeps well. Fine table variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

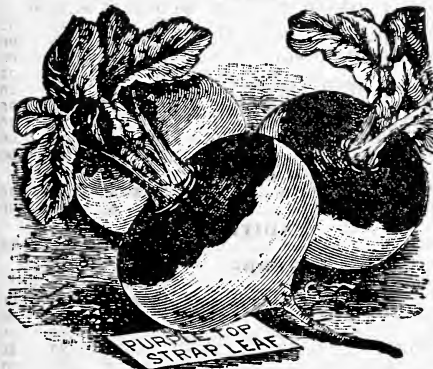
**LARGE YELLOW.** (Amber Globe.) Flesh yellow, fine grained and sweet, very hardy and productive; splendid keeper. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**POMERANIAN WHITE GLOBE.** Very productive; in good soil roots grow from 10 to 12 pounds; good for table or stock. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c; postpaid.

**PURPLE TOP STRAP LEAF FLAT.** The old, well-known sort for early spring and fall; purple above ground, flesh fine grained, of mild flavor and a good keeper. Pkt. 5c; oz. 10;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.



GOLDEN BALL



**SNOWBALL or WHITE SIX WEEKS.** Earliest and most perfectly formed round white turnip. Roots are very uniform in size and shape, short top and single taproot. Flesh snowy white, solid, crisp and very sweet. Is of quick growth and suitable for first early as well as later sowings. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**WHITE EGG.** An egg-shaped variety, for spring or fall sowing; flesh white, firm, fine grained, mild and sweet; particularly desirable for table. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

**SEEDS RELIABLE**

Cherry Co., Nebr., April 8, 1916.

Dear Sirs:

We have used Griswold's seeds, both farm and garden, for a number of years and always find them reliable. It gives me pleasure to recommend you to my friends.

Yours truly,

MRS. EDW. A. LEE.

## Ruta Bagas or Swedes

Should be sown about a month earlier than turnips

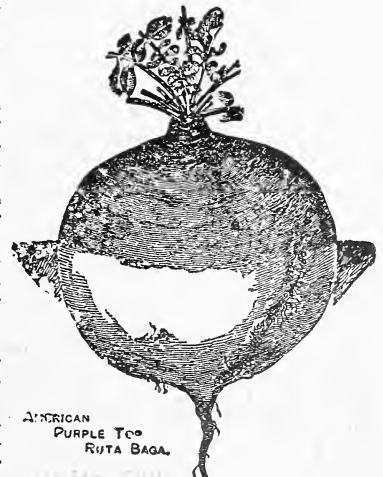
This is one of the best and most valuable of root crops. They may be very easily grown and more cheaply than potatoes, and usually are worth as much per bushel on the market.

If intended for a cultivated crop, sow in drills 15 to 24 inches apart; cover seed one-half inch and thin to 6 to 8 inches in rows. The yield will be greatly increased by frequent cultivation. The time of sowing depends somewhat on locality and the purpose for which the crop is to be used. If for market, sow the latter part of June. If for stock feeding, seed may be sown as late as July 15th and it will, under favorable conditions, mature a crop before the ground freezes. May be sown broadcast if desired. Use one ounce to 250 feet of drill,  $1\frac{1}{2}$  pounds to the acre in drills or  $2\frac{1}{2}$  pounds broadcast.

**AMERICAN PURPLE TOP.** Tops very small; bulbs large; skin purple above; yellow underneath; flesh golden yellow, fine texture, sweet and of richest flavor; hardy, productive, and a good keeper; desirable for table use and stock feeding. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c; postpaid.

**SKIRVING'S PURPLE TOP YELLOW.** Quite productive; flesh yellow and sweet flavor, shape oblong. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c; postpaid.

**SWEET GERMAN.** (Long White French.) Bulb enormous. Flesh white, solid and rich. The best keeper of all the Swedes, and popular for both table and stock. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c; postpaid.



Garden Collections See Page 42



# Market Gardener's Price List

PRICES LISTED ON PAGES 40 AND 41 ARE NOT PREPAID. THESE SEEDS MAY BE SENT BY PARCEL POST, EXPRESS OR FREIGHT. YOUR POSTMASTER WILL HELP YOU FIGURE THE POSTAGE, OR WRITE US AND WE WILL TELL YOU WHAT THE POSTAGE WILL BE TO YOUR POSTOFFICE.

## ASPARAGUS

	oz.	2oz.	¼lb.	lb.
All varieties	.....	\$0.10	\$0.15	\$0.20 \$0.50
Asparagus Roots	.....	10c per doz.	60c per 100	

## BEANS

	pt.	qt.	2 qt.	4 qt.	pk.
All Dwarf Wax	.....	\$0.40	\$0.65	\$1.25	\$2.35 \$4.00
Burpee Stringless	.....	.40	.65	1.25	2.35 4.00
Giant Stringless	.....	.40	.65	1.25	2.35 4.00
Red Valentine	.....	.20	.35	.65	1.50 2.25
Tepary White Beans	.....	.20	.35	.65	1.50 2.25
Little Wonder Navy	.....	.20	.35	.65	1.50 2.25
Bush Lima	.....	.40	.65	1.15	2.00 3.50
All other Dwarf Green Pods	.....	.20	.35	.65	1.50 2.25

## POLE OR RUNNING

	pt.	qt.	2 qt.	4 qt.	pk.
Cut Short (Corn Hill)	.....	.15	.25	.45	.80 1.50
Dutch Case Knife	.....	.15	.25	.45	.80 1.50
Early Golden Cluster Wax	.....	.15	.35	.60	1.15 2.20
Large Lima or Butter	.....	.15	.25	.50	.85 1.75
Lazy Wife	.....	.15	.35	.65	1.25 2.50
Old Homestead (Kentucky Wonder)	.....	.15	.30	.60	1.10 2.00
Red Kidney	.....	.10	.20	.35	.70 1.25

## BEETS

### TABLE SORTS

	oz.	¼ lb.	lb.
Early Model	.....	\$0.10	\$0.25 \$0.90
All other Table Beets	.....	.10	.20 .60
Swiss Chard	.....	.10	.25 .90

### MANGEL WURZEL and SUGAR BEETS

	oz.	¼ lb.	1 lb.	5 lb.	10 lb.
Corn Saver	.....	\$0.10	\$0.20	\$0.50	\$2.25 \$4.00
Danish Sludstrup	.....	.10	.20	.50	2.25 4.00
Dark Red Giant Eckendorf	.....	.10	.20	.50	2.25 4.00
All other Mangels	.....	.10	.20	.45	2.00 3.50

## BRUSSELS SPROUTS

	oz.	2oz.	¼lb.	lb.
Improved Dwarf	.....	\$0.15	\$0.25	\$0.45 \$1.40

## CABBAGE

### EXTRA EARLY SORTS

	oz.	2oz.	¼lb.	lb.
Extra Early Express (Lightning)	.....	\$0.20	\$0.35	\$0.65 \$2.50
Earliest Etampes (Earliest of All)	.....	.20	.35	.65 2.50
Early York	.....	.20	.35	.65 2.50
Early Jersey Wakefield	.....	.20	.35	.65 2.50
Early Winingstadt	.....	.20	.35	.65 2.50
Early Spring	.....	.20	.35	.65 2.50

### SUMMER SORTS

	oz.	2oz.	¼lb.	lb.
All Head Early	.....	.20	.35	.65 2.50
All Seasons (Vandergaw)	.....	.20	.35	.65 2.50
Early Dwarf Flat Dutch	.....	.20	.35	.65 2.50
Early Drumhead	.....	.20	.35	.65 2.50
Early Summer	.....	.20	.35	.65 2.50

### FALL AND WINTER SORT

	oz.	2oz.	¼lb.	lb.
Autumn King	.....	.25	.45	.70 2.50
Hollander (Danish Ball Head)	.....	.25	.45	.80 3.00
Large Late Drumhead	.....	.20	.35	.65 2.50
Lupton	.....	.25	.45	.70 2.50
Premium Late Flat Dutch	.....	.20	.35	.65 2.50
Red Dutch	.....	.20	.35	.65 2.50
Surehead	.....	.20	.35	.65 2.50
Copenhagen Market	.....	.30	.55	1.10 4.00

## CARROTS

### TABLE SORTS

	oz.	2oz.	¼lb.	lb.
All varieties	.....	\$0.10	\$0.15	\$0.30 \$0.60

### STOCK CARROTS

All varieties	.....	\$0.10	\$0.15	\$0.20 \$0.45
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## CAULIFLOWER

	½ oz.	oz.
Danish Giant (dry weather)	.....	\$1.75 \$3.00
Early Snowball	.....	1.35 2.50
Extra Early Erfurt	.....	.75 1.25

## CELERY

	oz.	2oz.	¼lb.	lb.
Celeriac	.....	\$0.20	\$0.35	\$0.50 \$1.50
Giant Golden Heart	.....	.20	.35	.45 1.40
Giant Pascal	.....	.20	.35	.50 1.50
Golden Self-Blanching	.....	.25	.45	.90 3.00
Snow White	.....	.20	.35	.60 2.25
White Plume	.....	.20	.35	.50 1.60

## CORN SALAD

	oz.	2oz.	¼lb.	lb.
Large Leaf	.....	.10	.15	.25 .75

## CORN—SWEET

	pt.	qt.	2 qt.	4 qt.	pk.
Adam's Extra Early	.....	\$0.10	\$0.15	\$0.30	\$0.55 \$1.00
Aristocrat	.....	.20	.40	.80	1.55 3.00
Black Mexican	.....	.10	.20	.35	.65 1.25
Country Gentleman	.....	.20	.40	.80	1.55 3.00
Crosby's Early	.....	.15	.30	.55	1.05 2.00
Early Champion	.....	.15	.30	.55	1.05 2.00
Early Cory	.....	.15	.30	.55	1.05 2.00
Early Evergreen	.....	.15	.30	.55	1.05 2.00
Early Minnesota	.....	.15	.30	.55	1.05 2.00
Extra Early Premo	.....	.15	.30	.55	1.05 2.00
Fodder	.....				.85
Golden Bantam	.....	.20	.40	.80	1.55 3.00
Howling Mob	.....	.20	.40	.80	1.55 3.00
Mammoth Sugar	.....	.15	.30	.55	1.05 2.00
Mammoth White Cory	.....	.15	.30	.55	1.05 2.00
Papago	.....	.25	.45	.85	1.55 3.00
Peep O'Day	.....	.20	.35	.70	1.30 2.50
Stowell's Evergreen	.....	.20	.35	.70	1.30 2.50

WRITE FOR PRICES IN BUSHEL LOTS

## CHIVES

Packet	.....	10c
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## COLLARD

oz. 10c; 2 oz. 15c; ¼ lb. 30c; 1 lb. 90c

## CRESS or PEPPER GRASS

	oz.	2oz.	¼lb.	lb.
Extra Curled	.....	\$0.10	\$0.15	\$0.25 \$0.75
Water	.....	.30	.55	1.00 3.00

## CUCUMBERS

	oz.	2oz.	¼lb.	lb.
Boston Pickling (Green Prolific)	.....	\$0.10	\$0.15	\$0.30 \$0.75
Early Cluster	.....	.10	.15	.25 .75
Davis New Perfect	.....	.10	.15	.30 .90
Early Frame (Short Green)	.....	.10	.15	.20 .65
Everbearing	.....	.10	.15	.25 .75
Improved Early White Spine	.....	.10	.15	.25 .75
Improved Jersey Pickling	.....	.10	.15	.25 .75
Improved Long Green	.....	.10	.15	.25 .75
Japanese Climbing	.....	.10	.15	.30 .90
Lemon Cucumber	.....	.25	.45	.80 2.50

## EGG PLANT

	oz.	2oz.	¼lb.	lb.
Improved New York Purple	.....	\$0.30	\$0.55	\$1.00 \$3.40
Black Beauty	.....	.35	.65	1.15 3.90

## ENDIVE

All varieties	.....	\$0.15	\$0.20	\$0.40 \$1.25
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## HERBS

	oz.	2oz.	¼lb.	lb.
Dill	.....	\$0.10	\$0.15	\$0.20 \$0.20
Lavender	.....	.20	.35	.60
Sage	.....	.15	.25	.40
Summer Savory	.....	.15	.25	.40
Sweet Marjoram	.....	.20	.35	.60
Thyme	.....	.50	.95	1.50

## KALE or BORECOLE

	oz.	2 oz.	¼lb.	lb.
All varieties	.....	\$0.10	\$0.15	\$0.25 \$0.75

## KOHLRABI

	oz.	2oz.	¼lb.	lb.
Early White Vienna	.....	\$0.20	\$0.30	\$0.50 \$1.65
White Vienna (Forcing)	.....	.25	.40	.75 2.00
Early Purple	.....	.20	.30	.50 1.65

## LEEK

American Flag	.....	\$0.15	\$0.20	\$0.40 \$1.00
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## LETTUCE

All varieties	.....	\$0.10	\$0.15	\$0.30 \$0.80
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## MINT

Roots	.....	15c each; \$1.50 dozen
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## MUSKMELON

### GREEN FLESHED

	oz.	2oz.	¼lb.	lb.
Eden Gem or Netted Rocky Ford	.....	\$0.15	\$0.25	\$0.40 \$1.15
Rocky Ford	.....	.10	.15	.25 .75
Green Nutmeg	.....	.10	.15	.25 .65
Extra Early Hackensack	.....	.10	.15	.25 .65
Long Island Beauty	.....	.10	.15	.25 .75
Hackensack (Turk's Cap)	.....	.10	.15	.25 .65
Chicago Market	.....	.10	.15	.25 .65
Burrell's Gem	.....	.10	.15	.25 .75
Delicious Gold Lined Rocky Ford	.....	.20	.35	.65 1.90

### YELLOW FLESHED

	oz.	2oz.	¼lb.	lb.
Hoodoo	.....	.10	.20	.35 .90
Grand	.....	.10	.20	.35 .90
Osage (Miller's Cream)	.....	.10	.20	.30 .90
Emerald Gem	.....	.10	.20	.30 .90
Long Yellow Cantaloupe	.....	.10	.15	.25 .75
Paul Rose (Petrosky)	.....	.10	.20	.30 .90
Tip Top	.....	.10	.20	.30 .90
Vine Peach	.....	.10	.20	.35 1.15
Banana Cantaloupe	.....	.15	.25	.35 1.25



# Market Gardener's Price List—Continued

## WATERMELON

	oz.	2oz.	¼lb.	lb.
Alabama Sweet	\$0.10	\$0.15	\$0.25	\$0.65
Black Boulder	.10	.15	.20	.55
Halbert's Honey	.10	.15	.25	.75
Duke Jones (Jumbo)	.10	.15	.20	.50
Florida Favorite	.10	.15	.20	.50
Kleckley's Sweet (Monte Cristo)	.10	.15	.25	.65
Tom Watson	.10	.15	.25	.65
McIver's Wonderful Sugar	.10	.15	.20	.55
All other varieties	.10	.15	.20	.45

## MUSHROOM SPAWN

Per brick (1½ lbs.) ..... 25c  
2 for 45c; 6 bricks \$1.40; 12 for \$2.75, by express

## MUSTARD

	oz.	2oz.	¼lb.	lb.
Chinese	\$0.10	\$0.15	\$0.25	\$0.65
Mammoth Southern Curled	.10	.15	.25	.65
White	.10	.15	.20	.45

## OKRA or GUMBO

All varieties	\$0.10	\$0.15	\$0.25	\$0.75
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## ONION

	oz.	2oz.	¼lb.	lb.
Australian Brown	\$0.15	\$0.25	\$0.40	\$1.10
Extra Early Red Flat	.15	.25	.40	1.25
Globe Wethersfield Red	.15	.25	.50	1.50
Large Red Wethersfield	.20	.35	.45	1.30
Mammoth Silver King	.15	.30	.50	1.60
Prize Taker	.15	.25	.40	1.25
Red Bermuda	.20	.35	.75	2.50
Southport Red Globe	.20	.35	.50	1.55
Southport White Globe	.20	.35	.75	2.50
Southport Yellow Globe	.15	.25	.40	1.10
Yellow Globe Danvers	.15	.25	.40	1.15
White Portugal (Silver Skin)	.20	.35	.75	2.50
White Queen (Barletta)	.15	.35	.75	2.50
White Bermuda	.20	.35	.75	2.50

Deduct 10c per lb. in 5 lb. lots.

## ONION SETS

	pt.	qt.	4qt.	pk.	bu.
Red Bottom (bu. 32 lbs.)	\$0.10	\$0.20	\$0.75	\$1.40	\$5.00
Yellow Bottom (bu. 32 lbs.)	.10	.20	.75	1.40	5.00
White Bottom (bu. 32 lbs.)	.15	.25	.85	1.50	5.75
Winter Top (bu. 28 lbs.)	.10	.15	.50	1.00	3.50

Price of all onion sets by bushel are subject to market fluctuations. Prices by quart good throughout season, or as long as our supply lasts.

## PARSNIPS

	oz.	2oz.	¼lb.	lb.
All varieties	\$0.10	\$0.15	\$0.20	\$0.50

## PEANUTS

Jumbo	25c lb.; 2 lbs. for 45c
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## PEAS

	pt.	qt.	2qt.	4qt.	pk.	bu.
Alaska	\$0.15	\$0.25	\$0.50	\$0.90	\$1.75	\$6.00
First and Best	.15	.25	.50	.90	1.75	6.00
McLean's Little Gem	.15	.30	.55	1.00	1.90	7.00
Premium Gem	.15	.30	.55	1.00	2.00	7.00
Canada Field	.10	.15	.25	.50	1.10	4.00
Champion of England	.15	.30	.55	.90	1.75	6.00
White Marrowfat	.10	.20	.40	.75	1.40	5.00
All other varieties	.15	.30	.55	1.00	2.00	7.50

Write for prices in larger lots.

## PEPPERS

	oz.	2oz.	¼lb.	lb.
Chinese Giant	\$0.30	\$0.60	\$1.10	\$4.00
All other varieties	.30	.50	.90	3.00

## POTATOES

	pk.	bu.	lots
NOTE—At the time of issuing this catalog seed potato prices are fluctuating and the market is so unsettled that we are unable to quote a price for any length of time. When you are ready to buy, write us for prices which we guarantee to be as low as good seed potatoes can be bought. It is our opinion that seed potatoes will be somewhat cheaper by planting time.			

## PUMPKIN

	oz.	2oz.	¼lb.	lb.
Connecticut Field	\$0.10	\$0.15	\$0.20	\$0.55
Cushaw (Crookneck)	.10	.15	.25	.70
Japanese Pie	.10	.15	.25	.80
King of the Mammoths (Jumbo)				
Potiron	.10	.20	.30	.95
Large Sweet Cheese	.10	.15	.20	.55
Small Sugar	.10	.15	.20	.65
Sweet Potato	.10	.15	.25	.80

## RHUBARB or PIE PLANT

	oz.	2oz.	¼lb.	lb.
Victoria	\$0.15	\$0.25	\$0.40	\$1.25
Linnaeus	.15	.25	.40	1.25
Rhubarb Roots	5c each; 50c per dozen			

## RADISH

	oz.	2oz.	¼lb.	lb.
Giant Crimson Globe	\$0.10	\$0.15	\$0.25	\$0.60
New Sparkler	.15	.25	.35	.90
Chinese Rose (Scarlet China)	.10	.15	.20	.55
Round Black Spanish	.10	.15	.20	.55
Long Black Spanish	.10	.15	.20	.55
California Mammoth White	.10	.15	.20	.55
Sakurajima	.15	.20	.35	1.00
Stuttgart	.10	.15	.20	.55
All other varieties	.10	.15	.20	.50

## SALSIFY or VEGETABLE OYSTER

	oz.	2oz.	¼lb.	lb.
Mammoth Sandwich Island	\$0.15	\$0.25	\$0.50	\$1.50

## SPINACH

	oz.	2oz.	¼lb.	lb.
Bloodsdales (Savoy Leaved)	\$0.10	\$0.15	\$0.25	\$0.85
Improved Thick Leaved (Long Standing)	.10	.15	.25	.85
New Zealand	.10	.15	.35	1.15

5c per lb. less in 3 lb. lots.

## SQUASH

	oz.	2oz.	¼lb.	lb.
Fordhook	\$0.10	\$0.15	\$0.30	\$0.80
Golden Hubbard	.10	.15	.30	.75
Hubbard, Chicago Warted	.10	.15	.25	.70
Mammoth Chilli	.10	.20	.30	.85
Marblehead	.10	.15	.25	.70
Pike's Peak (Sibley)	.10	.15	.25	.70
Perfect Gem	.10	.15	.30	.75
Winter Crookneck	.10	.15	.25	.70
All other varieties	.10	.15	.25	.55

## SWEET POTATOES

Potatoes ready April 1st. Plants ready about May 1st.  
(Write for prices on potatoes.)

Yellow Jersey	Plants, 35c per 100
Yellow Nansmond	Plants, 35c per 100

500 plants for \$1.50

## TOBACCO

Oz., 20c; 2 oz., 35c; ¼ lb., 60c

## TOMATO

	oz.	2oz.	¼lb.	lb.
Acme	.....\$0.20	\$0.30	\$0.65	\$1.75
Beauty	......20	.30	.60	1.75
Chalk's Early Jewel	......25	.45	.75	2.25
Crimson Cushion	......25	.45	.75	2.25
Dwarf Stone, Livingston's	......25	.35	.65	2.00
Dwarf Champion (Tree)	......25	.35	.75	2.25
Earliana	......25	.45	.75	2.50
Enormous	......25	.45	.80	2.75
Favorite	......20	.30	.60	1.75
Golden Queen	......25	.35	.75	2.25
June Pink	......25	.45	.80	2.75
Livingston's New Globe	......25	.40	.75	2.60
Livingston's Hummer	......30	.50	.95	3.00
Livingston's Coreless	......35	.60	1.00	3.75
Ponderosa	......30	.45	1.00	3.00
Quarter Century	......25	.45	.75	2.50
Stone	......20	.30	.65	1.75
Trophy	......20	.30	.60	1.75
John Baer Tomato	.....½ oz., 60c; oz., \$1.00; ¼ lb., \$2.50			

## ALL SMALL TOMATOES

Oz., 25c; 2 oz., 45c; ¼ lb., 75c

## TURNIP

	oz.	2oz.	¼lb.	lb.
Danish Bortfelder	\$0.10	\$0.15	\$0.25	\$0.60
Extra Early Purple Top Milan	.10	.15	.20	.50
Extra Early White Milan	.10	.15	.20	.50
Extra Purple Top Globe	.10	.15	.20	.45
Early White Flat Dutch	.10	.15	.20	.45
Early White Snowball (Six Weeks)	.10	.15	.20	.45
Golden Ball (Orange Jelly)	.10	.15	.20	.45
Large Yellow (Amber Globe)	.10	.15	.20	.45
Purple Top Strap Leaf Flat	.10	.15	.20	.45
Long White Cow Horn	.10	.15	.20	.45
Pomeranian White Globe	.10	.15	.20	.50
White Egg	.10	.15	.20	.45

## RUTA BAGA

	oz.	2oz.	¼lb.	lb.
American Purple Top	\$0.05	\$0.10	\$0.15	\$0.40
Skirving's Purple Top Yellow	.05	.10	.15	.40
Sweet German (Long White French)	.05	.10	.15	.40

If interested in larger quantities than listed here or an extended list of seeds we would be glad to quote special prices.



# Griswold's Home Garden Vegetable Collection No. 4

45 LARGE FIVE CENT PACKAGES FOR \$1.50; POSTPAID  
JUST ENOUGH FOR YOUR GARDEN

It often happens that in looking through a catalog you cannot tell just what varieties and quantities of seed you need for your garden to furnish enough vegetables for a medium sized family throughout the season. This collection is made up of just the varieties you need.

## BEANS—

- 2 pkts. Wardwell's Kidney Wax.
- 2 pkts. Burpee's New Stringless.
- 2 pkts. Early Golden Cluster Wax.

## BEETS—

- 1 pkt. Early Model

## CABBAGE—

- 1 pkt. Early Jersey Wakefield
- 1 pkt. Premium Late Flat Dutch.

## CARROTS—

- 1 pkt. Ox Heart

## CAULIFLOWER

- 1 pkt. Early Snowball

## SWEET CORN—

- 1 pkt. Golden Bantum.
- 1 pkt. Early Minnesota.
- 1 pkt. Stowell's Evergreen.

## CUCUMBERS—

- 1 pkt. Long Green.

## ENDIVE—

- 1 pkt. White Curled.

## KOHL RABI—

- 1 pkt. Early Purple.

## LETTUCE—

- 1 pkt. Simpson's Early Curled
- 1 pkt. Early Prize Head

## PARSNIPS—

- 1 pkt. Hollow Crown.

## PARSLEY—

- 1 pkt. Champion Moss Curled

## PEPPER—

- 1 pkt. Sweet Mountain

## PUMPKIN—

- 1 pkt. Small Yellow Sugar

## MUSTARD—

- 1 pkt. White

## MUSK MELON—

- 1 pkt. Rocky Ford

## WATERMELON—

- 1 pkt. Tom Watson

## ONION—

- 1 pkt. Large Red Weathersfield

## PEAS—

- 2 pkts. Alaska
- 2 pkts. American Wonder
- 2 pkts. Nott's Excelsior

## RADISHES—

- 1 pkt. Crimson Globe
- 1 pkt. New Sparkler
- 1 pkt. Icicle
- 1 pkt. Long Scarlet

## SQUASH—

- 1 pkt. Summer Crook Neck
- 1 pkt. Chicago Warter Hubbard

## SPINACH—

- 1 pkt. Bloomsdale

## SALSIFY—

- 1 pkt. Mammoth Sandwich Island

## TOMATOES—

- 1 pkt. Early Jewel
- 1 pkt. Ponderosa

## TURNIPS—

- 1 pkt. White Egg
- 1 pkt. Purple Top Strap Leaf

ABOVE LIST REGULARLY SELLS FOR \$2.25; YOU GET IT FOR \$1.50, POSTPAID.

## Griswold's Flower Garden

COLLECTION NO. 5

FIFTEEN LARGE 5-CENT PACKAGES FOR 50c; POSTPAID

It is difficult to select Flower Seeds which will give the best and most pleasing effects unless one is familiar with their habits of growth, etc. The collection we offer below is made up of the best and most popular varieties known.

- |                              |                      |                   |                    |
|------------------------------|----------------------|-------------------|--------------------|
| 1 pkt. Alyssum (Little Gem)  | 1 pkt. Cosmos.       | 1 pkt. Pansy.     | 1 pkt. Sweet Peas. |
| 1 pkt. Asters, Giant Comet.  | 1 pkt. Four O'clock. | 1 pkt. Petunia.   | 1 pkt. Verbena     |
| 1 pkt. Balsam (Lady Slipped) | 1 pkt. Gaillardia.   | 1 pkt. Portulaca. | 1 pkt. Zinnia.     |
| 1 pkt. Bachelor's Button.    | 1 pkt. Nasturtium.   | 1 pkt. Salvia.    |                    |

NOTE—PLEASE ORDER COLLECTION BY NUMBER.

## Griswold's Choice Vegetable Plants

We grow these in large quantities and also contract with careful hotbed growers to guard against failures.

NOTE—WE CAN SUPPLY ONLY THE VARIETIES LISTED HERE.

**CABBAGE.** Ready about April 25th. We can supply the following varieties. Early Jersey, Wakefield, Early Winningstadt, Early Flat Dutch, All Season, Sure Head, Late Flat Dutch, Large Late Drumhead.

**CAULIFLOWER.** Early Snowball.

**CELERY.** White Plume, Golden Self Blanching, Giant Pascal.

**CHIVES.** Clumps of roots, 25c each; postpaid; \$1.50 per dozen; by express.

**EGG PLANT.** New York Purple.

**PEPPER.** Chinese Giant, Large Bell or Bull Nose, Ruby King, Long Red Cayenne.

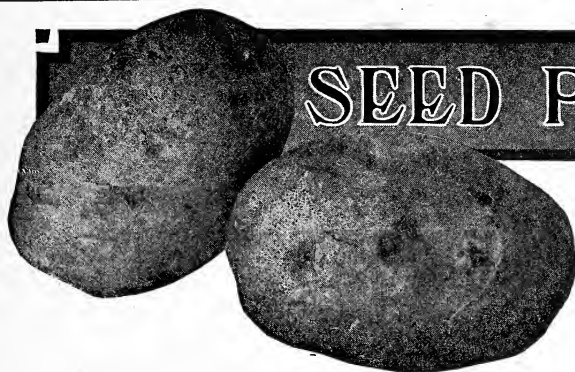
**SWEET POTATOES.** Yellow Jersey, Red Jersey, Southern Queen.

**TOMATOES.** Dwarf Champion, Chalk's Early Jewel, Earliana, Ponderosa, Stone, Golden Queen, Yellow Pear.

**JOHN BAER TOMATO PLANTS.** 35c per dozen; 50 for \$1.00; postpaid.

FOR PRICES OF ABOVE PLANTS SEE PAGE 10





## SEED POTATOES

FOR SPRAYERS AND INSECTICIDES  
See Pages 110-114

8 to 12 bushels required to the acre.  
One peck will plant about 100 hills

Potatoes have proven a most profitable crop for several years. Market prices have ranged from \$1.00 to \$2.00 per bushel for ordinary eating stock during winter and spring and at such prices there is no field crop that will yield better returns for the land and labor used in the growing. This year seed potatoes are very scarce and high priced, however, we will have a very choice lot of Northern grown seed, and we believe we shall be able to meet all demands with choice stock that has been carefully sorted and stored under conditions that does not weaken the germ.

With no other seed is the importance of change more essential than with potatoes, and by using our Northern grown seed you are assured of early maturity, increased yield and vigorous growth. The following varieties are, we think, the best and most satisfactory sorts for growing in Nebraska and other states of the same latitude. Most of our seed potatoes are grown in Minnesota or the Dakotas and are of superior quality. Order early as possible and we will ship as soon as weather permits

**NOTE:—AT THE TIME OF ISSUING THIS CATALOG SEED POTATO PRICES ARE FLUCTUATING AND THE MARKET IS SO UNSETTLED THAT WE ARE UNABLE TO QUOTE A PRICE FOR ANY LENGTH OF TIME. WHEN YOU ARE READY TO BUY, WRITE US FOR PRICES WHICH WE GUARANTEE TO BE AS LOW AS GOOD SEED POTATOES CAN BE BOUGHT. IT IS OUR OPINION THAT SEED POTATOES WILL BE SOMEWHAT CHEAPER BY PLANTING TIME.**

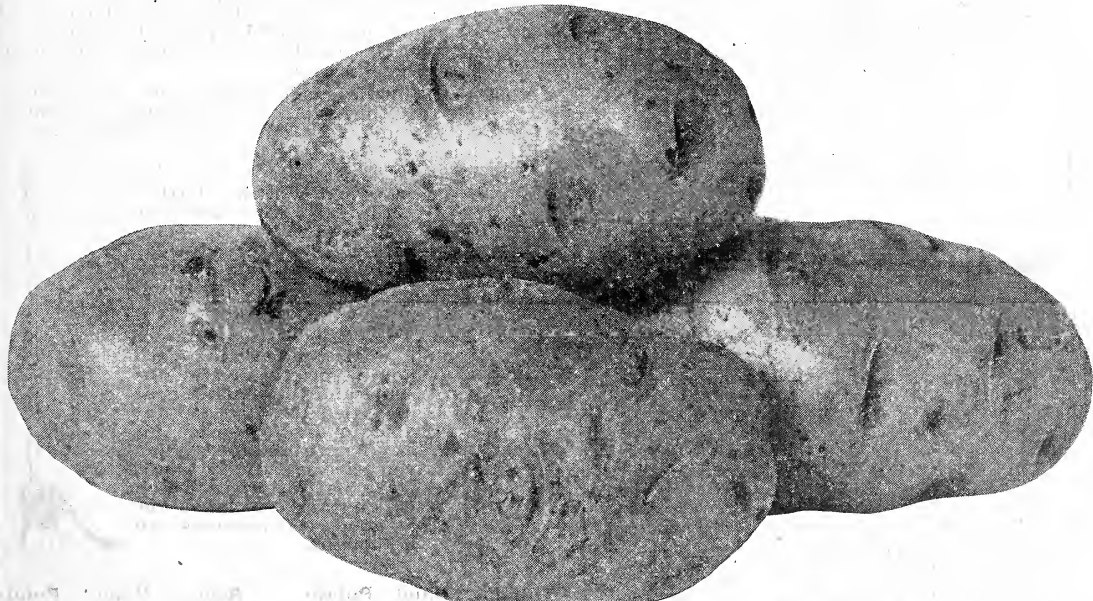
## Main Crop Potatoes

**RURAL NEW YORKER.** It is very large, unusually smooth, with few and shallow eyes; form slightly oblong, and rather flattened. Skin and flesh white, quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. It holds a leading place as a standard field cropper.

**EARLY SIX WEEKS.** Another potato of the Ohio type in great demand. Not the heaviest yielder, but good sized, smooth, round to oblong tubers

in eating condition before the well-known Early Ohios.

**CARMAN NO. 3.** This potato is of large and uniform size, yielding immense crops. It is of perfect form. It has but a few eyes, and they are shallow; the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific.

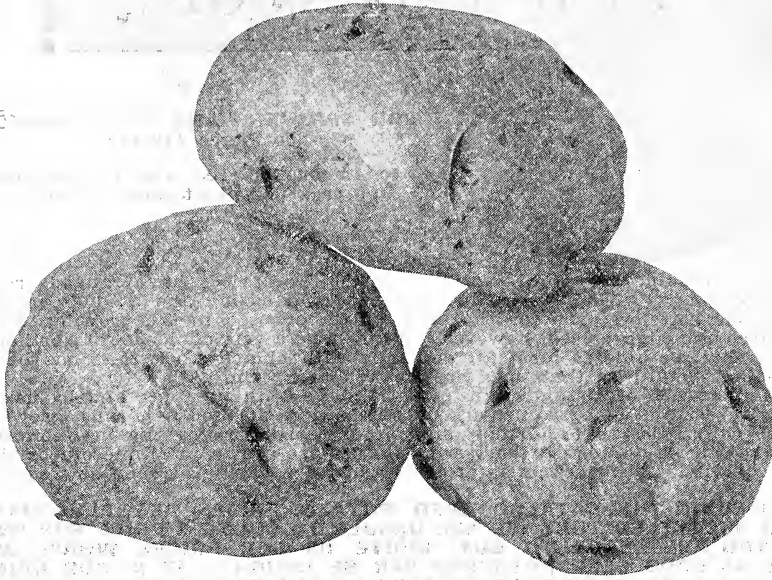


EARLY SIX WEEKS

**Write for Prices of Seed Potatoes**



# Extra Early Potatoes



**ACME.** The most profitable early potato in cultivation. Fit to eat in six weeks and crop matures in ten weeks from planting. Prolific yielder; tubers are oblong, smooth; skin flesh color; flesh white; upright strong vines with tubers growing compactly in the hill. Eyes shallow, quality excellent, mealy and of fine flavor. Keeps well.

**IRISH COBBLER.** It is an excellent extra early variety, maturing good sized tubers seven weeks from time of planting; producing very few, if any, small potatoes; all tubers being of marketable size. Makes a short, upright growth so the hills may be only a short distance apart. The flesh is pure white, with clean, smooth skin. Splendid keeper, excellent quality, always cooking dry and mealy. Especially suited to dry climates on account of its deep roots.

## HYBRIDIZED POTATO SEED

FROM THE SEED-BALLS—HEADQUARTERS STOCK.

Millions never saw a Potato Seed Ball! Thousands have tried in vain to get the seed. Now is your opportunity. This unrivaled seed will produce an endless variety of new kinds. Your fortune may be in one of them. They are as easy to grow as tomatoes.

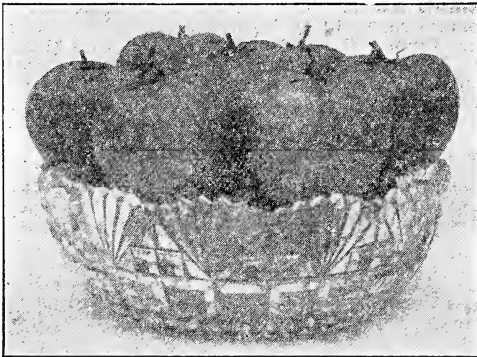


PHOTO OF POTATO SEED BALLS—ONE-HALF NATURAL SIZE.

It is from these that **ALL** valuable new varieties of Potatoes are produced.

Growing new and distinct Seedling Potatoes from the Seed-Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes, and qualities. The product will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer, gardener, and bright boy should plant a few packets. You may be one of the lucky ones. Full directions on every packet.

READ THESE EXTRACTS FROM CUSTOMERS LETTERS.

"I grew 101 Potatoes from one plant of your Potato Seed. Every plant was a different variety." Mrs. Ellen Keener.

"I raised 50 Hills from one Packet; many kinds and colors; some early, some late. 94 Potatoes in one hill." J. H. Skinner.

"Your remarkable Potato Seed produced white, pink, red, purple, blue, cream, russet, and black potatoes." W. M. Johnson.

"Your Potato Seed is a wonder. I grew 115 different varieties from one Packet—the finest I ever saw." C. E. Flint.

"I grew 45 pounds of Seedling Potatoes from one Packet. I expect wonders from them next year." Thomas Lucas.

Packet 15 cts. 2 for 25c. 5 for 50c. 10 for \$1.

**RED RIVER EARLY OHIO.** This is the most popular early potato in this country. We have more calls for it than any other early variety. Every potato grower knows what it is, and knows just what it will do in his locality. It is the standard extra early the world over and other varieties are measured by it. We have an extra choice strain of Early Ohio. Our Red River Valley stock, grown in North Dakota last fall, is the earliest, purest, and altogether the handsomest stock of Early Ohio potatoes to be found anywhere, and as fine as one cares to see. The tubers are smooth and regular in shape, free from prongs, perfectly pure and full of vigorous life. They are selected with the utmost care, and the result is grand, such as to delight everyone who knows and appreciates a good potato.

**RED TRIUMPH.** Earlier than any other, desirable for the first "new potatoes." Tubers nearly round, medium in size, reddish pink in color.

**RED TRIUMPH.** Earlier than any other desirable for the first "new potatoes." Tubers nearly round, medium in size, reddish pink in color.

**NOTE—**At the time of issuing this catalog seed potato prices are fluctuating and the market is so unsettled that we are unable to quote a price for any length of time. When you are ready to buy, write us for prices which we guarantee to be as low as good seed potatoes can be bought.



Tubular Hand Potato Planter. Price, \$1.25; by express.



Acme Hand Potato Planter. Price, 80c; by express.

**Write For Prices of Seed Potatoes**



# CORN SAVER BEET

**Fattens Hogs for a Fraction the Price of Corn  
A BIG MONEY MAKER. KEEPS HOGS HEALTHY.**

**A MONEY MAKER.** Some few years ago we, like other farmers, began wondering how we could fatten hogs without feeding so much high priced corn. After considerable experimenting along the line of feeding alfalfa hay, beets, etc., we finally decided sugar beets the better thing, for sugar is always fattening. That year we secured from Germany a new sugar beet that was extra rich in sugar considering its size and other qualities. We tried it out thoroughly and it proved to be all we could desire. We decided to name it **CORN SAVER BEET**. We have sold this beet all over the United States and the people are writing us in glowing terms how much they like it and how valuable they have found it for feeding not only hogs, but also milk cows, cattle and calves. The farmer should grow beets to feed his hogs. Here are a few figures furnished us on hog raising:

By feeding beets exclusively one man made his hogs gain fifty pounds each in one month. He fed 900 pounds of beets per head. At the price of hogs at that time, \$9.50 per 100 lbs., the beets would bring him \$10.55 per ton. Even at the usual fall price of hogs, \$7.00 per 100 lbs., beets fed to hogs would be worth \$7.80 per ton. Another party bought three tons of sugar beets for \$12.45; he fattened eight hogs, which, for a little over two months' feeding, gave him a profit of \$43.00. In this instance the beets were cooked before being fed to the hogs. In both of these cases beets only were used, while by adding a small amount of grain these profits may still be increased.

**HOW TO FEED.** We began feeding our hogs 1-3 corn, 1-3 alfalfa and 1-3 of the new **CORN SAVER BEET**. The amount of alfalfa hay and corn can be reduced from time to time until you will not have to average more than one small ear of corn to each hog, with very little alfalfa hay and the balance **CORN SAVER BEET**. Give them all they can eat and the hogs will get rolling fat and healthy. Our experience proves we have struck something that will make the profit on hog raising several times greater than heretofore, and believe will entirely do away with hog cholera.

**YIELD.** Our largest yield was close to 60 tons per acre. The beets grow very large, frequently weight 28 lbs. They grow about half out of the ground and are thus very easily harvested. They are two or three times as large as the regular factory sugar beet and are much better for stock. Perfectly hardy. Will grow anywhere other beets will.

**AMOUNT TO SOW.** It is an easy matter to raise these **CORN SAVER BEETS**. Simply sow on deeply plowed soil, 10 lbs. to the acre, from April to June, in rows 18 inches to 2 feet apart. Thin plants to 8 inches in row—transplant young plants to fill vacancies. Cultivate thoroughly with a five-tooth cultivator or an ordinary one-row corn cultivator and you will have one of the largest money making crops you ever raised. Beet hulls are thick. If it is dry soak seed 24 hours in water before planting.

Price, pkt. 5c; oz. 10; ¼ lb. 35c; lb. 60c; postpaid. By freight, 1 lb. 50c; 5 lbs. \$2.25; 10 lbs. (enough for 1 acre), \$4.00.

## New Mangels For Feeding

### Stock

**DANISH SLUDSTRUP.** Long, reddish-yellow; grows well above the ground and easy to pull. The mangel is very large, frequently weighing from 15 to 20 lbs. each. It has repeatedly been awarded a first class certificate by the Danish Government, and is doubtless the best mangel in the world. No other crop can match it. Price, oz. 10c; ¼ lb. 20c; lb 60c; postpaid. By freight, 5 lbs. \$2.25; 10 lbs. \$4.00.

**DARK RED GIANT ECKENDORF.** Is of cylindrical form and grows mostly above the surface and, like the Sludstrup, is very easy to pull. It has been awarded first-class certificate by the Danish Government for its merits as a very heavy cropper, a farmer there having grown 58 tons on one acre. Price oz. 10c; ¼ lb. 20c; lb. 60c; postpaid. By freight, 5 lbs. \$2.25; 10 lbs. \$4.00.

MANGEL, DANISH RED GIANT ECKENDORF





# Mangel Wurzel and Sugar Beets

140 to 150 days required from sowing to maturity. One ounce will sow 100 ft. drill, 6 pounds per acre

## For Stock Feeding

When the fact is considered that 50 tons of Mangel Wurzel may be grown on a single acre, at a small outlay, the wonder is that every farmer does not profit by it. Mangels grow to a larger size and will produce a greater bulk of roots per acre than sugar beets, but the latter are richer in quality and of superior feeding value.

As all mangels require a deep soil in order to grow well, plow and subsoil at least a foot to eighteen inches and apply plenty of rich stable manure. Sow in April to June, in rows eighteen inches to two feet apart, and thin to eight inches in the rows. Young plants may be transplanted to fill up vacancies. As soon as frost occurs dig the crop.

**GIANT HALF SUGAR MANGEL.** The roots of this new mangel are more valuable, pound for pound, than those of the best strain of sugar beet, supplying food of very much higher nutritive value and not only are they of better quality but they yield more than twice as much. The roots grow partly out of the ground, which renders the harvesting of the crop very easy. Every progressive farmer should try this new food.

**GOLDEN TANKARD.** A superior strain of golden fleshed mangel; root half long and very large. It is particularly rich in milk-producing qualities. It is very easily pulled; exceedingly hardy.

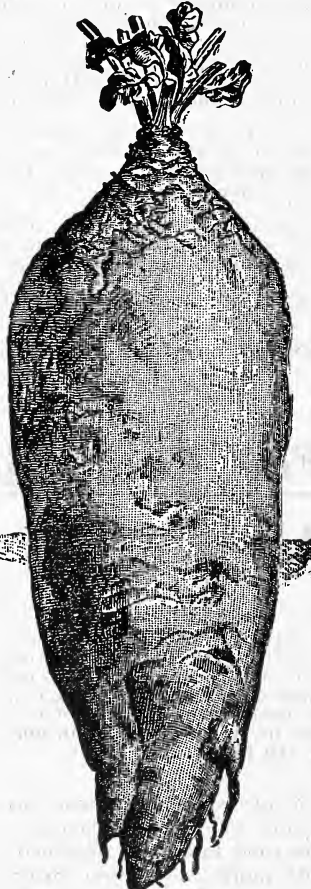


KLEIN'S WANZLEBEN SUGAR

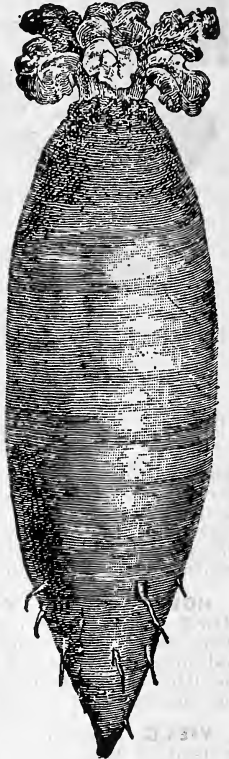
**KLEIN'S WANZLEBEN SUGAR BEET.** This is considered the most desirable variety for sugar. It is also desirable for feeding to stock. The roots, while rather shorter than some varieties, are thicker in diameter, and yield an immense crop on rich land. The largest diameter is at, or just below the surface of the soil, then tapering rather quickly. Seed crop very doubtful. **Oz.** 10c;  $\frac{1}{4}$  lb. 15c; lb. 60c; 10 lbs. \$5.00.

**RIVENHALL GIANT YELLOW GLOBE.** This is the cleanest growing, heaviest cropping and longest keeping globe variety in cultivation. Notwithstanding its great size, it produces only a small top with a single tap root.

**MAMMOTH LONG RED (Dignity).** This is truly a mammoth, a single root often weighing 30 pounds. Enormously productive, smooth and regular in shape, with a small top. They grow half above the ground, and are easily harvested.



RED MANGEL WURZEL



LANE'S IMPERIAL SUGAR

**LANE'S IMPERIAL SUGAR.** This beet grows to a large size, will yield almost as much in bulk as the best mangels, and contains a large percentage of sugar. The roots are smooth, broad at the shoulder and gradually taper to the base. They grow with a considerable portion above the soil, and are easily harvested. Gray top, whitish-green skin, with crisp, snow-white flesh.

**PRICES ON ALL ABOVE MANGELS AND SUGAR BEETS EXCEPT KLEIN'S WANZLEBEN**

Ounce, 10c;  $\frac{1}{4}$  lb. 20c; lb. 55c; postpaid.

By freight, 5 lbs. \$2.00; 10 lbs. \$3.50.

The simplest method of keeping root crops in good condition for winter use—store in cool cellar in boxes, etc., and cover with dry sand or fine soil, thus excluding the air. They will keep as solid as when freshly dug, and are ready for use at any time.

Other Beets listed on page 9





## Alfalfa

Alfalfa is comparatively a new plant in America, but is as old as the hills in many parts of the world. It was first introduced into this country by the Spaniards to California about 1855. At first it was slow in becoming disseminated among the farmers and ranchmen, but step by step it has made its way eastward until now it has become extended all over the Pacific states and east to the Mississippi, in fact, it has been successfully tried in about every state in the Union and "has made good everywhere" until now it can positively be asserted that Alfalfa can be successfully grown everywhere that Red Clover will grow and in many places where it cannot be grown at all.

Alfalfa is a perennial plant of upright growth, growing sometimes 3 feet high. The nature of the leaves is somewhat like clover, although not as large. The flowers are a purplish blue and appear in sprays. The seeds are small, yellowish green, kidney shaped of about the size of a pin head.

**SUITABLE SOIL.** Alfalfa makes a strong and rapid growth on well drained, rather heavy land, which is supplied with some lime, and where the subsoil, while not necessarily sand or gravel, is porous. On sandy soil the growth is vigorous, when moisture is abundant, but during drought it will suffer unless the roots reach water at a depth of 8 to 10 feet. The land should slope some, as alfalfa will not stand surface water.

**SEED BED.** The land must be free from weeds and the ground must be thoroughly pulverized and well packed. Alfalfa will frequently fail if seeded on freshly plowed ground. If it is necessary to plow the ground before seeding, do it early, harrowing thoroughly and sow after a good rain has settled it.

**SPRING SEEDING.** Sow seed broadcast or with drill from March to June 15, at the rate of 20 pounds to the acre.

**FALL SEEDING.** Disk oat and wheat land as soon as the crop is cut, and then harrow or disk every 10 days until a suitable time for sowing before the 15th day of September when you can sow as above. Cut for hay the next fall. This is the best time to sow for all except Northern states, if you are sure of getting fall rains soon enough.

**TURKESTAN.** This is the same variety as the common alfalfa, but has been grown for years in the mountains of Turkestan, Asia, in a region where there is very small rainfall and with hot, dry summers, and dry, cold winters. A plant developed under such conditions could not be otherwise than hardy and strongly drouth-resistant, and such has proved to be the case.

**ASK FOR ALFALFA BOOKLET FREE. TELLS ALL ABOUT ALFALFA.**

**OUR GOVERNMENT TESTED SEED**

We are very particular with all our alfalfa seed and take no chances. We have every car of it tested by the U. S. Department of Agriculture. We will not sell alfalfa seed unless it is free from Trefoil, Sweet Clover and Dodder. Seed is too high for you to take any chances. Buy our Fancy Seed from us and have it tested. We take it back if it doesn't test right. Buy it early for the price will be higher.

### ALFALFA SEED PRICES

	pr. lb.	pr. bu.	5 bu.	10 bu.
Alfalfa, Lincoln brand, 99.75% pure.....	.30	\$12.00	\$11.50	\$11.25
Alfalfa, a good quality.....	.25	10.00	9.75	9.50
Alfalfa, Turkestan.....	.30	12.00	11.50	11.25

When you are ready to buy ask us for prices and give the amount of seed you will need. We have cheaper grades than listed above and they will give good satisfaction. Get our prices and samples.

**Prices on all grass and field seeds subject to market change**

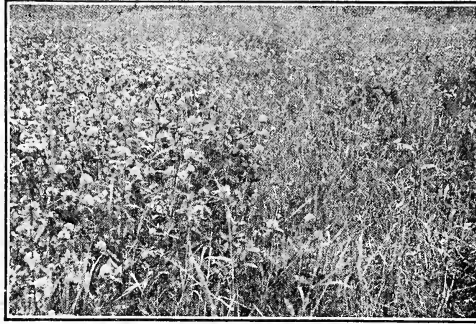


Griswold's  
Lincoln Brand

# Inoculating Bacteria



INOCULATED



INOCULATED—NOT INOCULATED



NOT-INOCULATED

NOTE: From these photographs you can see the advantage of Inoculation. You will be surprised how much it will better your crop.

**GRISWOLD'S LINCOLN BRAND INOCULATING BACTERIA.** Is a pure culture or growth of Nitrogen Fixing Bacteria that have been selected and bred up to transform large amounts of nitrogen from the air so that plants can use it.

### INCREASED CROPS

Are well established facts in all instances where inoculation is used. Not only is the crop increased in weight but in its richness. The United States Department of Agriculture, Bulletins No. 71 and 323 substantiate these statements.

### ALFALFA, RED, ALSIKE AND CRIMSON CLOVER, SOJA BEANS, VETCH, PEAS, BEANS, SWEET PEAS, ETC.

yield earlier, larger and better when inoculated.

Griswold's Lincoln Brand Inoculating Bacteria is delivered to you in bottles ready for use. You can inoculate seed for 10 acres in 10 minutes, greatly increasing your crop at a very small cost. We have a complete booklet on inoculation and growth of legumes that we will be pleased to send free on request.

### OUR PRICES

#### ALFALFA AND ALL CLOVERS

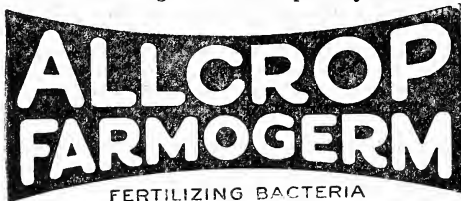
Size	
1-acre, for 15 lbs. seed.....	\$0.50
2-acre, for 30 lbs. seed.....	.95
4-acre, for 30 lbs. seed.....	1.50
6-acre, for 90 lbs. seed.....	2.00

#### PEAS, BEANS, VETCH, ETC.

Garden size	
1-acre size, for 90 lbs. seed.....	\$0.35
2-acre size, for 180 lbs. seed.....	.50
4-acre size, for 360 lbs. seed.....	.95
6-acre size, for 540 lbs. seed.....	1.35
	2.00

The prices that we are selling our inoculating bacteria at are very cheap, lower, in fact, than we have ever heard of anyone selling inoculating bacteria. Not only is it cheaper in price but the quality is of the best. The following prices put this in the reach of every farmer and home gardener.

When ordering state what plant you wish it for. Directions are on each bottle.



FERTILIZING BACTERIA  
PROCESS PATENTED

ALLCROP FARMOGERM is what we have been wanting for a long time, it is the only Legume Inoculation we know of which carries over 37 different strains of bacteria and will inoculate any legume crop. Results will equal and surpass those obtained by using any other dry medium culture on the market.

### ALL THE DIFFERENT STRAINS OF LEGUME BACTERIA IN A SINGLE CAN—ONE CAN TREATS ALL SEEDS

**Will Last Two Years.** Because of the superior knowledge and skill in manufacture, gained by years of experience, ALLCROP FARMOGERM will be alive and active at the end of two years. Most cultures of this character cannot be guaranteed beyond six months.

In addition to furnishing satisfactory inoculation for legume crops ALLCROP FARMOGERM also contains bacteria which fix nitrogen in the soil independently, therefore it is Good for Any Crop.

### FIELD CROP, FRUIT, GARDEN CROPS, VEGETABLES, FLOWERS

#### PRICES

1-acre size can.....	\$1.00 postpaid
5-acre size can.....	4.00 postpaid



### A COMPOSITION CONTAINING NITROGEN-FIXING BACTERIA FOR LEGUME SEED INOCULATION.

The following directions will apply on the different of inoculating bacteria:

#### DIRECTIONS FOR SEED INOCULATION

Pour the contents of the can onto the seed and keep adding a little water and stirring the seeds very thoroughly until they are all slightly moistened, then dry them by spreading evenly on a clean floor. Plant immediately after they are dry enough to handle. Some prefer to inoculate the soil, so we also give

#### DIRECTIONS FOR SOIL INOCULATION

Take about three hundred pounds of loamy or sandy soil, spread on hard ground or on a clean floor to a depth of several inches and sprinkle evenly over it the nitrogen Bacteria, then mix thoroughly for a few minutes and spread the soil evenly over the field and harrow it soon.

#### CAUTION

Keep can in a cool place. Use only for crop named on label at time of sowing. Keep seed and can away from sunlight.

Made up in the following mixtures or composite cultures:  
No. 1—Good for Red, White, Crimson, Alsike and Mammoth Clover.

No. 2—Good for Alfalfa, Burr, Clover and Bokhara.

No. 3—Good for Vetches and Peas.

No. 4—Good for Cow Peas and Soy Beans.

No. 5—Good for Peas, Beans and Sweet Peas

or for any of these crops in separate cultures.

Be Sure to Mention Crop When Ordering

**SIMPLE TO APPLY—INEXPENSIVE TO BUY**

1 Acre Cans \$1.00; 5 Acre Cans \$4.50, Postpaid



Our Clover Seeds are of the Highest Quality  
and Thoroughly Cleaned and Tested

# CLOVERS

60 lbs. to Bushel. Sow 20 lbs. to Acre.

**FOR SCARIFIED CLOVER SEED ADD \$1.00 PER  
BUSHEL TO PRICES BELOW**

Every farmer should have some land sown to clover. It is of the greatest value for plowing under for supplying humus and nitrogen, greatly enriching the soil and increasing the following crop yield from 20 to 40%.

**SWEET CLOVER.** This valuable forage plant, though once branded as a weed, is proving to be most valuable for our Western semi-arid regions. After two years the plant dies and the large roots decay, filling the soil with humus and vegetable fiber. This, in time, turns the sandy soil into a sandy loam, which also has a tendency to make the soil more stable and less liable to blow. Be sure you get the White Blossom, as it is much better than the Yellow. White blossom is the only kind we carry. This seed can be sown in the spring or in the fall at the rate of from 15 to 20 lbs. per acre. It makes a large growth the first year and blooms and makes seed the second year and then dies. Many farmers in western Nebraska are now sowing their ground to Sweet Clover and the second year after cutting the crop, just before seeding, will sow it to Alfalfa.

In this way they hold the soil from blowing and get their land seeded to Alfalfa. Many farmers claim that the forage from this plant is just as good as Alfalfa and just as readily eaten by the stock after they have become accustomed to it. If cut for hay, it should be cut when about two feet high and before the stem is woody. If cut just before the seed is matured, two years in succession, the plant dies out entirely. It will not grow to become a nuisance in cultivated land. It is most valuable for bees. Price Hulled Seed, per lb. 45c; postpaid. By freight, per lb. 35c; 5 lbs. \$1.60; 10 lbs. \$3.00; per bu., \$12.00. Unhulled Seed, per bu., \$9.00.

**MEDIUM RED.** (Common, or June Clover.) This is by far the most important of all the varieties for hay or pasture. Sow in Spring or Fall, and if no other grasses are used, at the rate of 8 to 12 pounds per acre. This clover is a biennial, and at best only lasts three years unless it is allowed to reseed itself, which should be done every two years. Price, Fancy, per lb., 40c; postpaid. By freight, per lb., 30c; per bu. (60 lbs.), \$13.00.

**MAMMOTH RED.** (Saplin, or Vine Clover.) Quite distinct from Common Red Clover. It lasts longer and is two or three weeks later than the Common Red Clover, grows from 3 to 5 feet high and yields an enormous amount to the acre, especially valuable for hog feed and for plowing under green on worn out lands. Sow 12 pounds seed to acre. Price, per lb., 40c postpaid. By freight, per lb., 30c; per bu. (60 lbs.), \$13.00.

**ALSIKE.** (Swedish Clover.) One of the hardiest of all clovers. This clover is very nutritious, yields abundantly and can be cut several times during the season. It is good for pasture, green fodder or hay. The roots do not heave like those of Red Clover and for this reason it is especially adapted for wet moist places. It does well on most any soil and resists the severest cold and extremes of drought and wet. We advise farmers to sow 2 or 3 pounds of this seed with their Red Clover and Timothy. If alone, sow 8 lbs. to the acre. Price, per lb. 40c; postpaid. By freight, per lb., 30c; per bu. (30 lbs.), \$12.50.

**WHITE DUTCH CLOVER.** Best adapted to moist soils, but does well on any land. Sow 8 lbs. to acre. Price, per lb., 85c; postpaid. By freight, per lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.50.



SWEET CLOVER

**All Grass Seeds Subject to Market Changes**





# RAPE

Sow  
Five  
Found to  
the  
Acre

## Dwarf Essex

Produces feed in from six to ten weeks from sowing. Grows two to four feet high. Produces from 25 to 30 tons of green fodder to the acre.

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two month and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. It is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the Rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs to the acre. True Dwarf Essex Rape, our own importation. Prices, Genuine Imported Dwarf Essex Rape, per lb., 25c; postpaid. By freight, per lb., 15c; 3 lbs., 40c; 12 lbs., \$1.50; 50 lbs., \$5.25; 100 lbs. \$10.00. Common Sowing Rape, by freight 10c per lb. Prices subject to change.

## FIELD PEAS

**CANADA FIELD PEAS** (60 lbs. to bushel). With oats 1½ bu. per acre, 2 bu. per acre if alone. Very valuable for cattle feeding. Excellent for horses and pigs when sown with oats. Farmers will find it very profitable to sow these peas with oats for feed. We have a splendid grade of Northern grown fancy seed. Sow broadcast and harrow in. Price, 20c lb; postpaid. By freight, 10c per lb.; \$1.25 per peck; \$4.00 per bu. Prices subject to change.

## COW PEAS

Highly recommended to plant with oats or kaffir corn, increasing the fertility of the soil for the succeeding crop and leaving the ground mellow and clean from weeds. Do not plant until the weather has become warm; sow 2 bushels if alone, and 1 bushel if with other seeds.

**WHIPPOWILL.** Early, bunch-growing variety. Per lb. 20c; postpaid. By freight, 10c per lb.; 90c per peck; \$3.00 per bu. (60 lbs.)

**NEW ERA.** An early variety. Maturing seed in from 80 to 100 days. Probably the best sort for North and West. Can be sown after wheat is taken off the ground and still produce a good crop of forage or peas. Prices, by mail, 20c lb.; postpaid. By freight, 10c per lb.; 90c per peck; \$3.00 per bu. (60 lbs.).

## SOJA OR SOY BEANS

A valuable legume somewhat on the order of cow peas, is coming more and more into use. We call special attention to our Northern grown seed which we offer this year. Price per lb., 20c; postpaid. By freight, 15c per lb.; \$1.00 per peck; \$3.00 per bu. Prices subject to change.

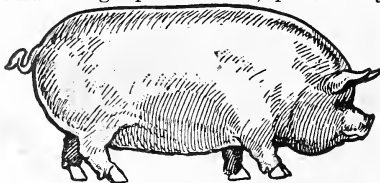
## WINTER VETCH, VICIA VILLOSA

The Winter Cover Crop. Also called Sand or Hairy Vetch. This is a hardy legume sown in the Northern States in the fall months; growing well that season, and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil during the winter, and at the same time a nitrogen gatherer it enriches the soil. Vetch also furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For the hay use 1 bu. Price, per lb. 40c; postpaid. By freight, per lb. 30c; 30 lbs. (enough for 1 a.) \$8.00.

**SPRING VETCH or TARES** (Vicia Sativa—Oregon Vetch). Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas. Price, per lb. 30c; postpaid. By freight per lb. 20c; 30 lbs. (enough for acre), \$5.25.

## Griswold's Ready Quick Hog Pasture Mixture

Our annual "Ready Quick" Hog Pasture Mixture is good for one season only. It is especially good for hogs but equally desirable for cattle, sheep, calves and cows. It contains 14 different grains and forage plant seeds, practically all of which grow again if fed down.



Griswold's "Ready Quick" Hog Pasture Mixture can be sown early and be ready to pasture in 6 or 8 weeks and should be in the finest kind of condition in July or August, just when your other pastures are dried up. It can also be sown in July or August and used as a Fall pasture.

We recommend sowing 50 lbs. to the acre, and if your ground is very rich and strong we would say sow 75 to 100 lbs. and by all means keep it fed down, as the stock eat it better when it is young and tender. Be sure and give this valuable Mixture at

least a small trial, as you cannot possibly make any mistake by sowing it. Price, 50 lb. (for 1 acre), \$2.25; 100 lbs. \$4.25; 500 lb. lots or over, \$4.10 per 100 lbs. In less than 50 lb. lots, 5c per lb., or 15c per lb.; postpaid.

## Field Seeds Subject to Market Changes



# Grasses

## Orchard Grass

14 lbs. to the bu.; 1½ to 2 bu. per acre.

Because of its rapid growth orchard grass is one of the most valuable and popular of our domestic grasses. It is hardy and may be grown anywhere in the United States, except the extreme South and the arid regions of the West. It is a very hardy perennial vigorous grower and does as well in shade as in sunshine. It is about two weeks earlier than timothy and one of the last to succumb to frost in the fall.

Orchard Grass will stand repeated pasturing and mowing, makes from 2 to 6 tons of very nutritious hay. In many sections it may be grazed throughout the winter. It resists drouths remarkably well, and will succeed in any soil or climate where other grasses will grow.

The tendency of Orchard Grass to grow in tufts may be overcome by thorough preparation of the ground and liberal seeding or sowing with other grasses. It may be sown with good results at most any time from January to September, inclusive. Sow (if alone) 1½ to 2 bushels per acre.

Price, per lb., 35c; postpaid. By freight, 30c per lb.; \$3.50 per bu. (14 lbs.). Write for prices in larger lots.



ORCHARD GRASS

## Meadow Fescue

### OR ENGLISH BLUE GRASS

14 lbs. to bu. Sow 21 to 26 lbs. per acre



MEADOW FESCUE

Hardy and very valuable for good seed and pasture. Starts early in the spring and lasts until November and December. Just the grass for permanent pasture or meadow.

Meadow Fescue grows luxuriantly, the blades being broad, tender and nutritious, and springs up quickly after cropping. It starts early in the spring, affording most excellent grazing by March 20 or 30, and in the fall will frequently keep cattle fat until late in November. For hay it should be cut soon after the blossoms fall.

Sow broadcast, 21 to 28 pounds of seed per acre on a well prepared bed, and harrow once lightly to cover the seed. On moist or wet (not too wet) and on gumbo land the plant flourishes wonderfully, yields the heaviest and holds on more tenaciously than anywhere else. Plant good, clean seed. The best seed is the cheapest to buy.

Cheat looks very much like Meadow Fescue. If you buy from us you are sure of getting the pure seed.

Price, per lb. 30c; postpaid. By freight, 20c per lb.; \$2.00 per bu. Write us for prices in larger lots.

**KENTUCKY BLUE GRASS.** This valuable grass is very productive, usually early and very desirable as a pasture grass. It comes in the spring and with a few rains during the summer will make good pasture until late fall. It is surprising how well this grass does in the West, even during the dry season. It is very desirable for lawns. Price per lb. 35c; postpaid. By freight, per lb. 25c; per bu. (14 lbs.), \$2.65.

**JOHNSON GRASS.** As a meadow or hay grass this variety is highly esteemed in the South and during the hottest and driest season it can be depended on to yield heavily. It is hard to get rid of when once started and for this reason it should not be allowed to get started in cultivated lands. Price, per lb., 30c; postpaid. By freight, per lb., 20c. Ask for price in larger quantities.



KENTUCKY  
BLUE

## Seeds Subject to Market Changes



# Bromus Inermus

Grows in Dry, Semi-Arid Regions. Very Resistant to Drought and Freezing.  
Lengthens Season of Green Pasture.  
14 lbs. to bu. Sow 20 lbs. per acre.



TIMOTHY

Nebraska Experiment Stations says: This is one of the principal grasses grown in the dry and semi-arid regions of Russia and Siberia. It starts very early in the spring, and continues growth until late in the fall. Brome grass spreads by means of underground rootstalks. As a hay crop, the grass usually furnishes good cuttings for two or three years, sometimes cutting three tons of cured hay per acre, after which the sod becomes so root-bound that the grass does not grow tall enough for hay (this can be overcome by disking) but will furnish the best pasture for several years.

For Bromus Inermus seeding the soil should always be in fine tilth and well packed. For spring sowing, a piece of fall plowing is most easily prepared and furnishes an almost ideal seed bed. If the land is plowed just preceding the sowing, it should be thoroughly worked down with disk and smoothing harrow until a fine, firm seed bed is made.

Sow early at least 20 pounds of seed alone broadcast per acre; or better, disc in. Cover the seed by harrowing twice with smoothing harrow. Do not be discouraged in case you should get a thin stand, as the grass will thicken rapidly after the first season.

**FALL SOWING.** Sow 20 pounds to the acre before September 15th, disk in on wheat or oats stubble; in this way one gets almost full use of the grass next year.

Prices Fancy Grade Pure Seed, per lb. 35c; 5 lbs. \$1.40; postpaid. By freight, per lb. 25c; per bu. (14 lbs.) \$2.50; 5 bu. lots, per bu. \$2.45; 100 lb. lots, per 100 lbs. \$16.00. Write for prices on larger lots.

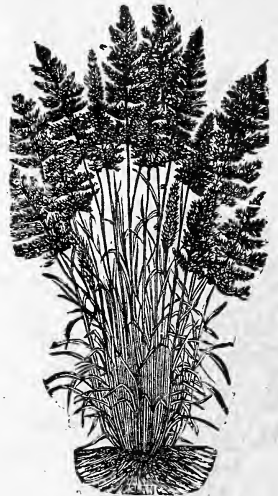
**CANADA BLUE GRASS.** This is the blue grass of Canada, New York and the New England States. It does better on poor, clayey, thin soils than on rich land. It is smaller, grows closer to the ground and stands cold and drought better than Kentucky Blue Grass. Has a very blue color and flattish stems. Very nutritive and really a valuable grass. Not desirable for lawn. Price, per lb. 35c; postpaid. By freight, per lb. 25c; per bu. (14 lbs.) \$2.00.

**ENGLISH OR PERENNIAL RYE GRASS.** This grass is considered invaluable for permanent pasture grass. Produces an abundance of remarkably fine foliage and soon forms a compact sod. After being cut it grows quickly and remains bright and green through the season. It is also a good variety for hay if cut when in blossom, as it is then most nutritious. Flourishes best in moist soil. Price per lb. 25c; postpaid. By freight per lb. 15c; per bu. (24 lbs.), \$2.00.

**RED TOP.** Valuable either for mixing in hay or permanent pasture grass. Succeeds almost everywhere but does best in moist, rich soil. It is being sown with Alsike in Western Nebraska, with a great deal of satisfaction. It is often sown with Timothy and Clover. Price, Fancy hulled, per lb. 40c; postpaid. By freight, per lb. 25c; per bu. \$2.75. Fancy unhulled, per lb. 25c; postpaid. By freight, per lb. 15c; per bu. (14 lbs.), \$1.50.

**TIMOTHY.** This grass is used exclusively for hay and does well on most any soil. Sometimes grows to the height of 4 feet on rich loam. It is exceedingly nutritious, particularly when ripe. This grass is also used for pasture. It is, however, better for hay and is sown mostly with Red Clover. Price, per lb. 20c; postpaid. By freight, Fancy, per lb. 10c; per bu. (45 lbs.) \$3.00.

When in the market for grass and field seed, write for our latest price list, some kinds may be cheaper.



RED TOP

## Grass Mixture

**MIXTURE FOR HOG PASTURE.** This will be considered very heavy seeding and expensive, but if you have a hog pasture for keeps, you cannot afford to skimp on seed or limit the varieties. Alfalfa, Mammoth Clover, Red Clover, Alsike Clover, White Clover, Timothy, Blue Grass, Orchard Grass, Meadow Fescue. 25 lbs. per acre, for \$4.25; per 100 lbs. \$16.00. Write for prices in larger lots.

**MIXTURE FOR HIGH LAND.** Good for pasture and hay. Brome Grass, Meadow Fescue, Orchard Grass, Timothy, Alfalfa and Red Clover mixed in proper proportions. Price 20 lbs. per acre, \$3.25; per 100 lbs. \$15.00.

**MIXTURE FOR LOW, DAMP SOIL.** Can be cut for hay but better for pasture. Kentucky Blue Grass, Red Top, Meadow Fescue, Alsike Clover, English Rye Grass and Timothy. Price 20 lbs. per acre, \$2.50; per 100 lbs. \$11.25.

**UNIVERSITY GRASS MIXTURE.** This is a special mixture recommended by the University Experiment Station as the best for pasture. We mix it in the right proportion and use only the very best grade of seed. Brome Grass, Meadow Fescue, Orchard Grass, Alfalfa. Price, 24 lbs. per acre, \$4.20; per 100 lbs. \$16.50.

**All Grass Seeds Subject to Market Changes**





**BOONE COUNTY WHITE.** Very best of white corn, of extra large size, good yielder and medium early. Quality is excellent and is particularly adapted for milling purposes, making a fine white meal. Withstands the dry weather and winds remarkably well. Price, pkt. 10c; pt. 20c; qt. 30c; postpaid. By freight,  $\frac{1}{2}$  pk. 45c; pk. 80c;  $\frac{1}{2}$  bu. \$1.50; bu. \$2.75... Shelled only.

**CALICO.** That fine, large, variegated corn that always yields well and makes big ears. This corn always gets ripe before frost.

**FUNK'S YELLOW DENT, STRAIN 140.** This Funk's Yellow Dent is an improvement of Reid's Yellow Dent, and as the same general characteristics. The ears are from 8 to 11 inches long, cylindrical in shape from butt kernels set very close together with no open space between.

**GOLD MINE.** The grain is a rich golden, shining like new coin from the mint; dent, long, deep; kernel often over three-fourths of an inch long. This corn will shell more pounds to seventy pounds of ears than any corn we know of. Seventy pounds of Gold Mine on the ear will make 62 to 63 pounds of shelled corn. This is the smallest proportion of cob of any variety.

**HOGUE'S YELLOW DENT.** This corn is highly endorsed by the State Experiment Station and is one of the very best corns for Nebraska and Kansas. Ears are medium size to large, maturing in about 100 days.

**IMPROVED LEAMING.** A rich golden dent corn, good sized ears, rich in protein. Owing to the deep, bright color, smooth, tapering ear, and solidity and weight of this corn, it is in high demand by shippers, either for ear corn or dum height, setting the ears about four feet from the shelled. It is a very productive sort, and because of the smooth, even surface, it is much nicer to handle than the rough, hackled sorts.

**IMPROVED REID'S YELLOW DENT.** Has a wide reputation and is endorsed by more experiment stations than any other corn grown. Has heavy stalks with an abundance of blades, making extra fine fodder. It will ripen in 90 to 100 days; will yield from 50 to 80 bu. per acre ordinary farming.

We handle large quantities of Seed Corn. Purchasers of Griswold Western Grown Seed Corn can rely upon good varieties. It is sorted by experienced seedmen, butted and tipped, hand picked, and each variety is tested for germination before being offered for sale.

**NEBRASKA WHITE PRIZE.** Ears are large and well filled at both ends, the white cob being hardly visible. The corn is medium late, and yields frequently 75 bushels to the acre.

**PRIDE OF THE NORTH.** This is a well known variety; beautiful, deep dented, fine golden color, 8 to 9 inches long, with small cob and very long and deep kernels. A tremendous sheller. Seventy pounds of ears will make 60 pounds of shelled corn. The stalks grow to a height of about 7 $\frac{1}{2}$  feet, are short jointed and leafy; average distance base of ear from ground is 3 feet. Two well developed ears are frequently found on a single stalk. Will run about 40 to 75 bushels to the acre. Ripens in 85 to 90 days, is hardy and vigorous.

**WHITE CAP BUTCHER.** A medium yielder, early red corn with white cap; will mature in 85 to 90 days and be good and sound.

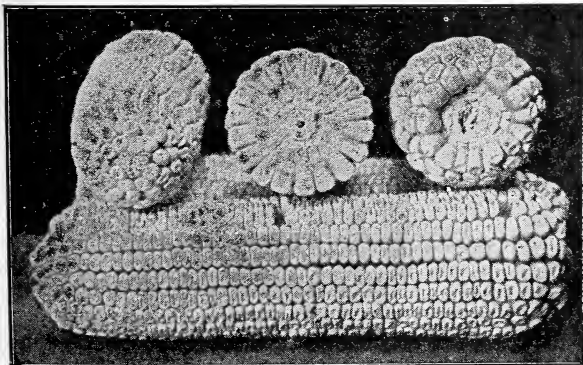


FUNK'S YELLOW DENT

**WHITE FLINT.** The great feature of this variety is the large grains and small cob it produces. The ears are 12 to 15 inches long, smooth and symmetrical. Kernels are broad and flinty, and white in color. White flint makes a very sturdy and vigorous growth with a great abundance of broad, succulent leaves, and is of great value for fodder and silage as well as grain.

**YELLOW FLINT.** Similar to White, except color.

Price of all above corn, except Boone County White, pkt. 10c; pint 20c; quart 20c; postpaid. By freight,  $\frac{1}{2}$  peck 45c; peck 75c;  $\frac{1}{2}$  bu. \$1.35; bu. \$2.50. Shelled only.

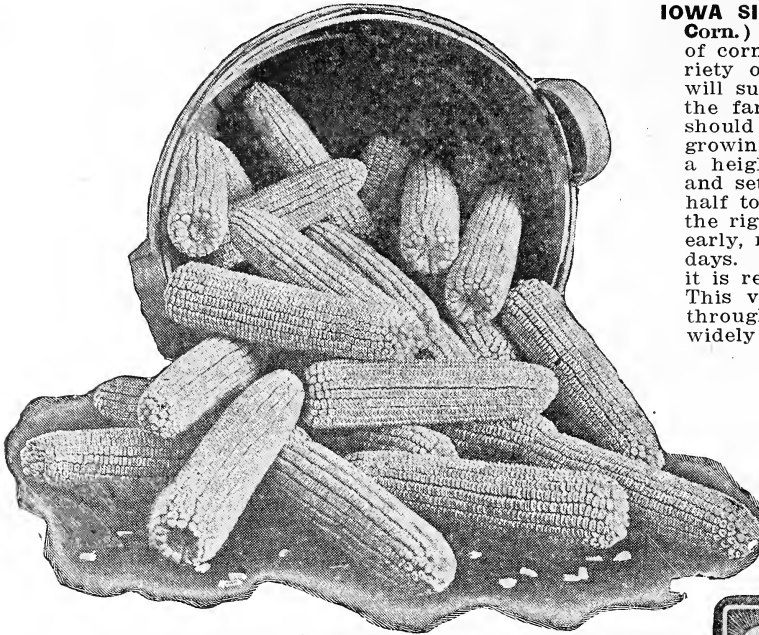


BOONE COUNTY WHITE

**All Field Seeds Subject to Market Changes**



## Seed Corn—Continued



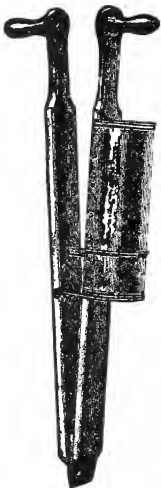
SILVER MINE

### Combined Tipper and Sheller



This is just the machine you have been looking for. It butts and tips your corn and then shells it. Also has an attachment for shelling pop corn. These machines are well made, extremely handy. You can more than pay for one by shelling and tipping your seed corn and then have it for next year. **Price complete, \$1.10.**

### Corn Planters



No. 1

**NO. 1.** Good, reliable two-hand planter. **Price, by freight or express, \$1.00.**

**NO. 2.** Segment one-hand corn planter, adjustable for planting all kinds of corn. Has pumpkin seed attachment, is well made in every way. **Price, by freight or express, \$1.25.**

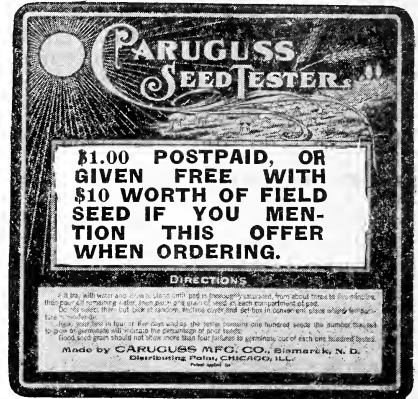
**FOR OTHER  
TOOLS, SEEDERS,  
ETC., SEE PAGES  
119-122.**



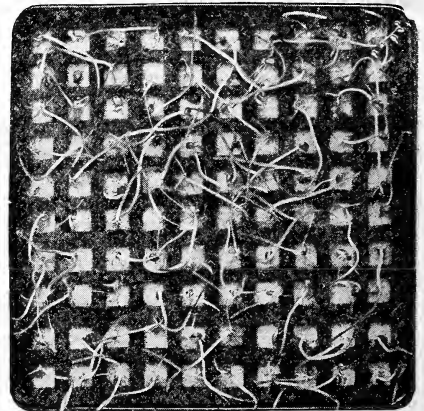
No. 2

**IOWA SILVER MINE.** (The Great \$1000 Corn.) The introducer of this variety of corn says: "The most marvelous variety of corn ever offered, and which will surprise everyone who plants it. If the farmers take hold of this as they should it will revolutionize the corn growing of the country. Stalk grows to a height of about seven or eight feet and sets the ears about three and one-half to four feet from the ground. Just the right height for easy picking. It is early, matured last year in less than 95 days. The cob dries out rapidly, so that it is ready for the market very early." This variety is more generally grown throughout the corn belt and is more widely and favorably known than any other white corn. It is a sure cropper; very early, deep grain, pure white, and a good corn in every way. It seems to have the faculty of producing a better crop on old, thin land than any other corn.

**Price, pkt, 10c; pint, 20c; quart, 30c; postpaid. By freight, 1/2 peck, 45c; peck, 75c; 1/4 bu. \$1.35; bu. \$2.50. Shelled only.**



THE COVER



THE BOTTOM OF TESTER

Every corn planter should have the above seed tester for testing their seed corn. There are 100 separate apartments in the felt for testing seeds. It requires little attention.

**All Field Seeds Subject to Market Change**





## Oats

### Kherson

KNOWN AS UNIVERSITY OATS  
NO. 1

Hardy and good yielder. Largest  
yielder in Nebraska, 80 to 112  
bushels to acre; two to three  
weeks earlier than common  
oats.

Kherson Oats were brought to America in 1900 by the University of Nebraska, located at Lincoln. They originally came from Kherson, Russia, where they were grown as the best early, hardy, good yielding oats in that locality. The University of Nebraska sent out small lots to farmers all over the state and tests proved that the oats far excelled their highest expectations as to earliness, amount of yield and adaptability to withstand heavy winds and not lodge.

Kherson Oats, when ripe, are a beautiful yellow in color. They have fine large spangled or full heads, which frequently contain more than 100 seeds. The straw is stiff and does not lodge or rust. The leaves are broad, frequently three-fourths of an inch wide. They extend to the roots and are so pliable that they stay on even through threshing. The straw makes an unusually good fodder and is eaten greedily and with profit by all kinds of stock. While the kernel is a little small the berry, when the hull is off, is extra large. We have never found a grain so small but what it contained a well developed seed. This is not true of the large oats.

Under favorable conditions Kherson Oats have yielded as high as 112 bushels to the acre in Nebraska. At the Experimental Station at North Platte the yield averages about 50 bushels to the acre.

In a good favorable year Kherson Oats are three weeks earlier than common oats, thus losing by two weeks the risk of hail and two weeks better chances for a crop.

We have never sold anything that gave such universal satisfaction. Immense amounts are sold in from 3 to 50 bushels lots to almost every state in the Union, and especially Iowa, Illinois, Kansas, Missouri, and Oklahoma. All these states report the yield from 10 to 30 bushels more per acre than Texas Red, Champion and other oats. Customers who bought these oats when we first introduced them are now buying to secure a new start. Buy direct from us and you get the pure seed—no substituting.

Sow on rich soil. Reports show that they do not lodge even on bottom land. They will not give satisfaction on poor soil. Sow 2 1-2 bushels per acre.

If you order only oats, remember the freight will be no more for three bushels than one bushel. We have handled Kherson Oats since its adaptability to our soil and climate has been proven.

Prices, 1 bu. 90c; 5 bu. \$4.25; 10 bu. \$8.25; 25 to 50 bu. lots, per bu. 80c. These prices are sacked f. o. b. cars, Lincoln, Nebraska.

**WHITE KHERSON OATS.** Just what we have been looking for, an oat with all the good qualities of the Kherson with the additional quality of being white. The White Kherson Oats have been bred up by the University of Nebraska from the original great oat described above. This oats is even heavier than the common Kherson Oats and is a nice, bright white. We fully expect the first year that the sale of White Kherson Oats will exceed the common Kherson Oats and every farmer knows what a great oats the Kherson is. If you are not familiar with the common Kherson Oats read the description above and remember that the White Kherson Oats has all of these good points and is white while the common Kherson is yellow. Send for free sample. Price, 1b. 15c; 3 lbs. 40c; postpaid. By freight, 1 lb. 10c; peck 35c; bu. \$1.30; 5bu. 6.00; 10 bu. lots or over \$1.15 per bu.

**REGENERATED SWEDISH SELECT OATS.** These oats were introduced several years ago. They were "crossbred" by the Garten Seed Company of England, and the system that they used was such that it increased their vitality and put them back to their original standard of high excellence. Under this system the oats were made to weigh 52 pounds to the measured bushel. We had a small lot of these oats planted for us and they yielded a little more than twice as much as common oats under the same conditions. Price, 1b., 20c; 3 lbs., 55c; postpaid. By freight, 1b., 10c; 1/2 peck, 20c; peck, 30c; bu., \$1.00; 5 bu., \$4.50.

## All Field Seeds Subject to Market Changes





## Spring Wheat

**MACARONI KUBANKA WHEAT.** This wheat is tall, with broad, smooth leaves. Heads are large, heavily bearded, much the appearance of barley. Kernels are large, very hard, having less starch than common wheat. Largely used in the manufacture of macaroni, and makes excellent flour. The habit of growth adapts Macaroni Wheat to regions of light rainfall. Requires rich soil, but will grow in alkali. Reports show a better yield per acre of Macaroni or Durum Wheat than other spring varieties. Sow early in the spring, as it is not easily injured by frost. Prices, by freight, per peck 70c; per bu. \$2.50; 10 bu. lots, per bu. \$2.40.

**MARQUIS WHEAT.** (The World's Champion.) Destined to "revolutionize wheat growing in the Northwest." Originated by Dr. Chas. E. Saunders of the Central Experiment Station, Ottawa, Canada, by crossing Red Fife and Red Calcutta, a very early wheat from India, the result being a wheat combining the extreme earliness of the one with the frost resisting and heavy yielding qualities of the other. It is a week to 10 days earlier than Red Fife or any other sort, and yields 5 to 10 bushels more per acre. The heads are very heavy, the stalk stout and shorter than Red Fife. Beardless, except for a few short awns at the top. Price, lb 25c; 3 lbs. 60c; postpaid. By express or freight, pk. 75c; bu. \$2.75; 5 bu. lots, per bu. \$2.70; 10 bu. lots, per bu. \$2.65.



MARQUIS WHEAT

## Barley

**WHITE HULLESS.** A valuable variety, has large heads, plump kernels, both hullless and beardless and looks like large white wheat. Is two or three weeks earlier than any other barley and an immense yielder. Stools wonderfully; sow only 1½ bushels per acre. Per lb. 15c; postpaid. By freight, per lb. 5c; per bu. \$2.25.

**COMMON.** Succeeds best on lands more sandy and lighter than those adapted to wheat. Sow from 2 to 2½ bushels per acre. Per lb. 15c; postpaid. By freight, per lb. 5c; per bu. \$1.35.

**MANDSCHEURI.** It is an early six-rowed variety, maturing 80 to 90 days from the time of sowing; is very strong strawed and stools well, bearing large heads of plump grain, adapted to all kinds of soil and climate. Per lb. 15c; postpaid. By freight, per lb. 5c; per bu. \$1.65.

**CHAMPION.** It is beardless and nice to handle. Grows tall and stands up well. Straw is good and grows taller than any other variety. Per lb. 15c; postpaid. By freight, per lb. 5c; per bu. \$1.75.

## Broom Corn

46 lbs. to the bushel

**OKLAHOMA DWARF.** Possesses several features of merit which places it at the head of others, viz. Its earliness, dwarf habit (5 ft. high), robust growth, extreme productiveness, long, well-fibered brush and its ability to resist drought. Per lb. 20c; postpaid. By express or freight, 25 lb. lots, per lb. 7c; per bu. \$2.75.

**IMPROVED EVERGREEN.** The best variety for general cultivation on account of color and quality of brush. Per lb. 15c; postpaid. By freight, per lb. 7c; per bu. \$2.50.

**DWARF.** Grows from 3 to 4 feet high, straight brush. Used for making whisks and brushes. Per lb. 15c; postpaid. By freight, per lb. 7c; per bu. \$2.75.

**All Field Seeds Subject to Market Changes**



# Sudan Grass

Sow in drills 2 to 3 lbs. per acre; broadcast 25 lbs.

A new forage crop of immense value to the West.

Possibly the greatest recent discovery in the way of pasture and forage grass, promising adaptability to all sections of the United States, was made in 1909, when Prof. C. V. Piper, of the United States Department of Agriculture, discovered Sudan Grass in Karoum, Egypt. Professor Piper brought back a small amount of the seed with him and as early as 1910 it was given a trial at the Government Experiment Station near Chillicothe, Texas, where its ability to withstand a protracted drought attracted attention from all who saw or heard of it. Since that time it has been grown in many sections of the West and Southwest, and from all directions come reports of enormous fields of seed and hay, in some instances, almost past belief.

**SUDAN GRASS** is thought to be the wild original form of our cultivated sorghums. Its close cellular construction makes it a plant capable of withstanding rough conditions. Like Kaffir, it has power to "cell" sap during extremely dry weather, thus enabling it to live for weeks, often without any visible growth, waiting for moisture. When moisture is received the plant resumes its growth and the crop matures. Sudan grass is strictly an annual and dies each year.

After cutting it renews its growth promptly when moisture conditions are favorable, and in about 40 to 60 days another cutting is ready. The grass stools abundantly after first cutting and the second and third cuttings are very fine stemmed. Ordinarily two or three cuttings may be expected from the central United States southward, and one cutting north of the middle.

**SUDAN GRASS** may be planted in cultivated rows, in close drills, or broadcast. It is very susceptible to frost, therefore the seed should not be planted until the ground is warm and the danger of frost is past. It should be planted as soon as safety will permit, however, in order that it may have the maximum growing season, and give the greatest number of cuttings and the heaviest yield of hay.

Price, per lb. 40c; postpaid. By freight, per lb. 30c; 10 lbs. \$1.40; 10 lbs. \$2.75.

## Buckwheat

**PANESE.** This sort has proven to be much earlier and more productive than any other variety. The grains are very large and of rich, brown color. It excels in yield and earliness. Per lb., 25c; 3 lbs., 60c; postpaid. By freight or express, per peck, 70c; per bu., \$2.25.

**EVER HULL.** A very good and popular variety. The grain is of light gray color, is rounder than the common variety, matures earlier, and yields a half more to the acre. Per lb., 20c; 3 lbs., 45c; postpaid. By express or freight, per peck, 70c; per bu., \$2.25.

**COMMON.** Sown in June, broadcast, at the rate of 2 to 3 pecks per acre. Per lb., 25c; 3 lbs., 60c; postpaid. By freight or express, per peck, 70c; per bu., \$2.25.

## Teosinte

95 Tons Green Fodder per Acre

A forage plant that originated in Egypt, and which for a number of years has been grown successfully in the Southern states. It resembles corn somewhat in appearance, but the leaves are much longer and broader and contain sweeter sap. The yield is so abundant that one plant is considered sufficient to feed a pair of cattle for 24 hours. It suckers more than any other forage plant, generally producing 20 to 30 stalks from one kernel of seed, and growing to a height of 11 feet. Can be cut when 2 to 3 feet high and used for fodder, after which it will quickly grow up again. Can be cut two to five times in one season. The forage to be had estimated 300 tons per acre. Can be cut and fed in the green state, or it can be dried and makes a magnificent fodder for cattle during the winter months. Excellent results have been reported as far north as Iowa and southern Minnesota and Wisconsin.

Price, per lb. (will plant 1 acre), 85c; 5 lbs., \$4.00; postpaid.



SUDAN GRASS



All Field Seeds Subject to Market Changes





MILLET

**SIBERIAN.** (Also called Red German, Dakota and Early Russian Millet.) It is from 2 to 4 weeks earlier than German millet, and can be cut for hay in 60 days from planting. The blades are wide, the straw fine and soft and does not make as much hay as German millet. It stools heavily. Sow  $\frac{3}{4}$  bu. broadcast or  $\frac{1}{2}$  bu. in drill to the acre for hay, on rich land. Price, per lb., 15c; postpaid. By freight, per lb., 5c; bu., \$1.75.

**HOG or BROOM CORN MILLET.** This is grown for the same purpose for which other millets are sown, but makes inferior hay unless cut very young. It, however, yields enormously of seed, even 60 to 70 bushels to the acre, and this seed is very advantageously used for fattening swine and other stock, and is of special value for this purpose in sections where corn cannot be safely or cheaply grown. Seed also makes very fine feed for poultry and young chicks. It is very similar to the Early Fortune Millet, except that the seed is yellowish-white in color. It will mature in about two months from sowing the seed. Price, Fancy Reelcaned Hog or Broom Corn Millet, per lb., 15c; postpaid. By freight, per lb., 5c; bu., \$2.25.

## TABLE OF WEIGHTS OF GRASS AND FIELD SEEDS

Showing number of Pounds to the Bushel and amount of Seed necessary for an acre.

	No. Lbs. to Bu.	No. Lbs. to Acre		No. Lbs. to Bu.	No. Lbs. to Acre
Alfalfa .....	60	15 to 25	Kentucky Blue Grass .....	14	21 to
Alsike Clover .....	60	6 to 8	Meadow Fescue (English Blue Grass) .....	14	21 to
Barley .....	48	48 to 96	Milo Maze .....	50	4 to
Beans .....	60	75 to 100	Millet (except as noted) .....	50	25 to
Billion Dollar Grass .....	40	10 to 15	Oats .....	32	32 to
Buckwheat .....	52	25 to 40	Onion Sets, top .....	28	
Broom Corn .....	46	10 to 12	Onion Sets, bottom .....	32	320 to 4
Brome Grass .....	14	25 to 40	Orchard Grass .....	14	25 to
Blue Grass, Kentucky .....	14	25 to 30	Pearl Millet .....	50	5 to
Blue Grass, English .....	14	21 to 28	Peas, field or smooth garden .....	60	90 to 1
Cane in Drills .....	50	6 to 8	Peas, wrinkled .....	56	
Cane for Fodder Broadcast .....	50	100 to 150	Peanuts .....	24	24 to
Clover, Alsike .....	60	6 to 8	Pencilaria .....	50	5 to
Clover, Red .....	60	12 to 15	Potatoes, Irish, good measure .....	60	480 to
Clover, White Dutch .....	60	6 to 8	Potatoes, Sweet .....	50	
Corn .....	56	8 to 10	Rape .....	60	5 to
Corn, on Ear .....	70		Red Top .....	14	20 to
Cow Peas .....	60	60 to 90	Red Clover .....	60	12 to
English Blue Grass (Meadow Fescue) .....	14	21 to 28	Rye .....	56	72 to
Flax .....	56	28 to 42	Rye Grass, English or Perennial .....	24	50 to
Hemp .....	44	30 to 60	Speltz, or Emmer .....	40	80 to
Japanese Millet .....	40	10 to 15	Sweet Clover .....	60	6 to
Johnson Grass .....	25	25 to 50	Timothy .....	45	15 to
Kaffir Corn .....	50	50 to 100	Wheat .....	60	60 to

# Millets

**GERMAN MILLET.** This grows very rank and is one of the best varieties for hay on account of being so sweet, palatable and milk-producing. On good, rich soil it will make a growth of 4 to 5 feet, and although the hay may seem coarse, yet it is so tender that if cut at the right stage, which is when in full bloom, even the hogs will eat the cured hay quite greedily. A yield of five tons of hay per acre is nothing unusual. Sow three pecks per acre. Price, per lb., 15c; postpaid. By freight, per lb. 5c; bu. \$1.85.

**HUNGARIAN MILLET.** In the Northwest no other variety is so well known and so much grown for hay as the Hungarian Millet. It is so valuable because it requires such a short season to make a fine crop of the most nourishing and milk-producing hay. On this account it is the best catch crop when other crops, already put in, for some reason fail to grow. In many localities where early potatoes are grown for the market Hungarian is sown for a second crop as soon as the potatoes have been harvested, and thus a crop of potatoes and a crop of hay are harvested in one year from the same piece of ground. Hungarian does not grow as coarse as many other Millet varieties, but still yields quite heavily, three to four tons of hay per acre being an ordinary crop. The hay is quite leafy, of the very best quality, and is greedily eaten by all kinds of stock. For hay sow 3 pecks per acre. Price, per lb., 15c; postpaid. By freight, per lb., 5c; bu., \$2.10.

**PENCILARIA or PEARL MILLET.** It grows luxuriantly on any soil suitable for corn, especially on rich land, where it will grow 10 to 12 feet high, but cutting should commence when 2 to 5 feet. After being cut it will stool out enormously, become thicker and during the warm weather grown with marvelous luxuriance. It also does well on poor soil. Very desirable in districts subject to drought as it continues to grow in dry weather, though, of course, not so rapidly. Sow 2 to 3 lbs. per acre in drills 3 feet apart. Do not plant until warm weather. Price, per lb., 25c; postpaid. By freight, per lb., 15c.

**JAPANESE BARNYARD MILLET.** (Called "Billion Dollar Grass," owing to its high value.) Its greatest value is for green fodder, of which it yields 3 to 5 tons per acre. It is excellent for cows, producing more milk than corn fodder. It grows 6 to 8 feet high, and produces 50 to 9 bushels of seed per acre. It should be sown to give best results the latter part of May at the rate of 10 pounds per acre. Price, per lb., 18c; 3 lbs., 50c; postpaid. By freight, per lb., 8c; bu., \$2.75.

**COMMON MILLET.** Price, per lb., 15c; postpaid. By freight, per lb., 5c; bu., \$1.50.

**All Field Seeds Subject to Market Change**



## Cane or Sorghum

**FEEDING VALUE.** It is known quite definitely that an acre of sorghum will produce more food value, more pounds of beef or pork, when properly fed, than an acre of corn. The main use of the crop, however, is for a winter supply of forage, and it has this advantage over corn or any other kind of grain, that it can be sown late. It furnishes fodder in 70 to 90 days and matured seed in about 100 days.

**TIME TO SOW.** Sorghum may be put in almost any time up to the middle of July. June is the best time. Sow broadcast because the fodder will grow fine, will cure better, and will give better results in feeding. Eighty days will produce a very satisfactory crop. Sow 10 lbs. in rows for cultivation, 2 or 3 bu. (50 lbs. to bu.) broadcast per acre for fodder.

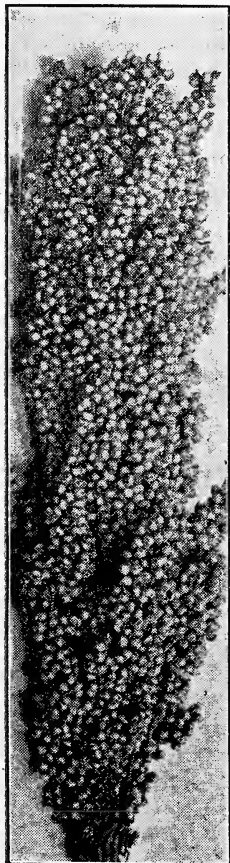
**THE SOIL.** Select the thinnest soil and highest part of your farm for sorghum. On this soil it is not so likely to fall down in seasons of excessive rainfall. Have the ground free from clods and do not plant more than one inch deep except in very light soil.

**HARVESTING.** Harvest as late as possible to avoid had frost, in order that the fodder will retain its sweetness and succulence. When sown broadcast cut with a mower and allow to dry for a week or ten days, after which it may be put in shocks weighing about 500 pounds and allowed to stand until fed.

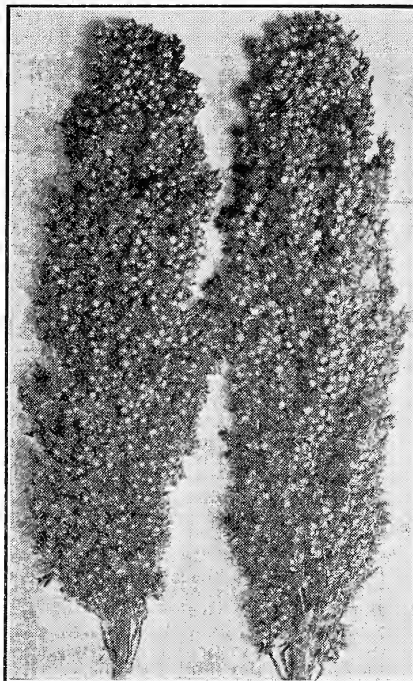
Price, per lb. 15c; postpaid. By freight per lb. 5c; per bu. (50 lbs.) \$2.00. Ask for prices on larger lots.

## New Shallu

**A NON-SACCHARINE SORGHUM** from India, where it is extensively cultivated un-



KAFFIR CORN



NEW SHALLU

It is an excellent feed for horses and cattle, and especially chickens. It will produce more seed than any of the cane or sorghum family and about double the amount of either Red or White Kaffir Corn. Sow in rows three feet apart, three to five pounds of seed per acre. For fodder, sow half to one bushel either broadcast or in drills. Give it a trial.

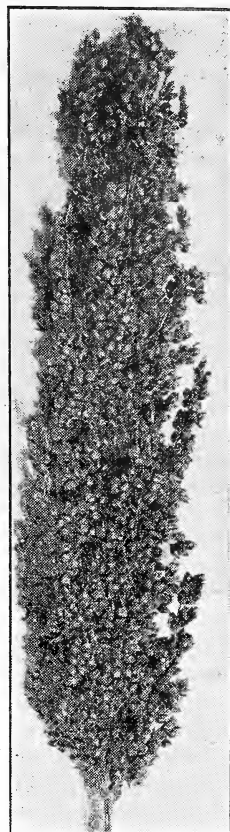
Price, pkt. 5c; lb. 20c; 5 lbs. 90c; postpaid. By freight or express, at your expense, lb. 10c; 10 lbs. 65c; bu. (50 lbs.), \$2.50.

## Kaffir Corn

This is a most excellent plant, yielding two crops of fodder during a season. It grows from five to six feet high, making a straight upward growth. The stem, or stalk, bears numerous wide leaves. The stalks keep green and brittle and juicy, making an excellent fodder either green or dried, the seed is a fine chicken feed.

It also seeds heavily, sometimes yielding 60 bushels to the acre. Both grain and fodder are excellent. The stalks remain tender to full maturity of seed. There is no failure about it as it possesses the quality that all the tribe possesses, of going without rain without any loss of capacity to yield.

The grain is extremely valuable for feeding to poultry and will make a flour that is like wheat. Cultivate the same as our common Indian corn, requiring five pounds of seed per acre. For fodder sow one to two bushels either broadcast or in drills. Price, per lb. 15c; postpaid. By freight, per lb. 5c; per bu. (50 lbs.), \$2.00. Ask for prices on larger lots.



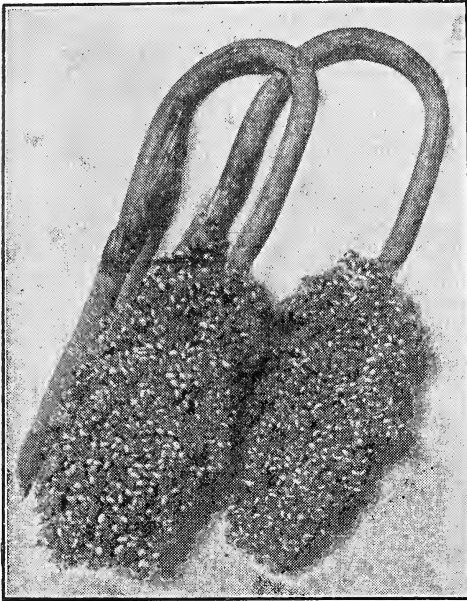
CANE OR SORGHUM

der the name of "Shallu."

It is more valuable than Kaffir Corn for grain, as it yields considerably more seed, it being of stooling habit, producing all the way from three to six stalks from a single grain, and it is quite a drought resister. The heads grow similar to Broom Corn forming large heads of round, plump, white seeds.

**Seeds Subject to Market Changes**





JERUSALEM CORN

weed seed and is as good as can be purchased generally full of weed seed. One of the most profitable crops, especially on new land. Price, per lb., 20c; postpaid. By freight, lb., 10c; peck, \$1.00; bu., \$3.50.

## Speltz or Emmer

This new grain was first introduced into this country 10 years ago, and has proven of great value. It has become a staple crop in all sections of the West and Northwest and its position in the list of grains is thoroughly established. It is grown and handled in the same manner as barley, though many feeders do not thresh it but feed direct from the stack or shock. It is really better to thresh it as the process breaks up the beards and straw so that the animals eat it more readily. It is a splendid feeding grain, in our opinion second only to corn, and in dry or cold sections where corn will not mature Speltz will be the very best live stock feed that can be produced. It is in the cold and arid regions that it thrives best, and will yield wonderful crops under adverse conditions. Records of 75 to 100 bushels of grain and 3 to 5 tons of straw are reported from Kansas, Nebraska and the Dakotas. It can be used for pasturage and hay after the manner of rye, and if sown with field peas will be strictly first quality. Its value lies in its hardiness, great yields, and feeding value, and it can be grown anywhere in the corn belt with profit. This grain resembles barley except that it has two berries in each hull. Sow it in place of oats. Grain is just as good for stock. Better than barley for hogs. It is liked by horses, sheep and cattle. Its straw makes feed equal to prairie hay. Price, per lb., 15c; postpaid. By freight, per lb., 5c; per bu., (40 lbs.), \$1.10; 10 bu. lots, per bu., \$1.00.

## Feterita

This is the very latest in non-saccharine sorghums. A new grain introduced into the United States from British Egyptian Sudan several years ago by the U. S. Department of Agriculture. It belongs to the same family as Kaffir Corn and Milo Maize and resembles these grains in some respects. It produces stalks of medium height, with ten to twelve leaves and a large upright seed head, well filled with grain. The plants stool freely, producing numerous smaller seed heads.

It matures a crop in 70 days—about three weeks earlier than Kaffir Corn. If the ground is well saturated with moisture at planting time, Feterita will mature a crop without further rainfall and its value to dry sections or to sections having a very short growing season, can hardly be overestimated. It has been known to produce crops of 70 to 80 bushels of grain per acre, but 35 to 40 bushels is considered an average yield.

The grain is white, somewhat larger than Kaffir Corn; it has about the same feeding value as Milo Maize, but is softer and more apt to heat if stored in bulk; however, the heads can be piled up without danger of heating, and it is readily fed in this way without threshing.

It may be fed to all kinds of live stock and poultry, whole or ground, mixed with other grain or alone, with equally good results as Corn, Kaffir Corn or Milo Maize.

Price, per lb., 15c; postpaid. By freight, per lb., 5c; per bu. (50 lbs.), \$2.00.

## Jerusalem Corn

The best and surest grain crop for dry countries—even better than Kaffir Corn, Dhoura and Milo Maize. It grows from 3 to 5 feet high, makes one large head on the main stalk, and several smaller ones on the side shoots; well filled with valuable grain for stock and chicken feed. Eight heads sometimes grow on one stalk, the grains are pure white and nearly flat. Three pounds will plant an acre. Price, per lb., 20c; postpaid. By freight, per lb. 10c; per bu. (50 lbs.) \$2.50.

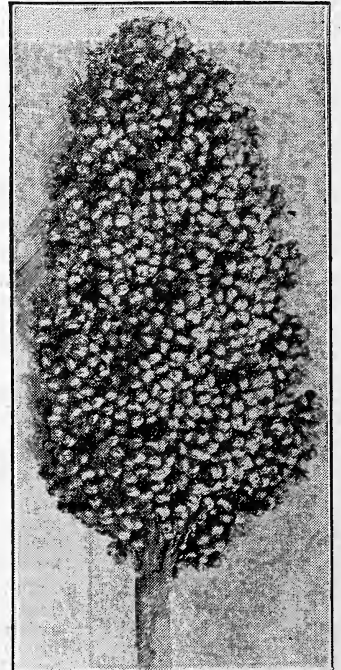
## Milo Maize

Milo Maize is an excellent grain for dry regions. It will yield 15 bushels to the acre under conditions so dry that corn will be a total failure. When fed with some succulent feed such as alfalfa, stock beets or sorghum, it makes fine feed for fattening cattle. To prevent waste, Milo Maize should be fed in heads or ground. Plant 4 to 6 pounds per acre in rows and cultivate. Price, per lb., 15c; postpaid. By freight, per lb., 5c per bu. \$2.00.

## Seed Flax

It will pay you to sow nice, pure, high-grade flax seed. For several years the available supply has not equaled the demand and prices have been very high. Our seed is thoroughly recleaned, free from mustard or any other

thoroughly recleaned, free from mustard or any other thoroughly recleaned, free from mustard or any other thoroughly recleaned, free from mustard or any other



MILO MAIZE

# All Field Seeds Subject to Market Changes





# FLOWER SEEDS

It Will Pay You to Read the Following Carefully

**GENERAL CULTURE.** A rather light and moderately rich soil thoroughly spaded, is most desirable. That the tiny seedlings may be seen and the weeds removed, it is better to plant all flower seeds in rows. Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press the soil firmly over the seed. Keep covered with cloth or paper till sprouts appear. The soil should never become dry after the seeds have been swelled, for if it does, they will be pretty sure to fail. Do not grow the plants too thick. Keep the weeds down and the surface of the soil well stirred with a hoe or rake during the summer, especially if the weather is dry. A great many varieties can be sown in the house, if desired, early, and afterwards transplanted. Most plants will continue to bloom much longer if the flowers are picked, and not allowed to form seed.

Discount: Any 6 of our Large 5c Packets for 25c.

## Seeds of Annuals

In this department we include both annuals that bloom and die the first year, and such perennials as flower freely for the first year.

For Other Vines, see page 70.

For Perennials, see pages 85-91.

### FLOWER SEED—ALL PRICES POSTPAID

**ABRONIA** (Sand Verbena). 6 inch. Sweet scented, trailing plants, rosy-lilac flowers, borne in clusters. Suited for rockeries. Pkt., 5c.

**ACROCLINUM.** 2 foot. Daisy-like everlasting flowers; pink, white or mixed. Pkt., 5c.

**AGERATUM.** 5-inch. One of the best border flowers, blooming all summer; of easy culture. Grows 5 inches high. Blue or white. Pkt., 5c.

**AGROSTEMMA** (Rose of Heaven.) 1 foot. Attractive pink blossoms on long, slender stems. Very pretty in masses.. Pkt. 5c.

**ALYSSUM.** 5 to 10 inches. Profuse bloomer, good for bordering or for bouquets; fine for window boxes. Sow very early.

Sweet. Fragrant white flowers. The old favorite. Pkt., 5c.



ANTIRRHINUM

**Little Gem.** Dwarf and compact. Good for border. Pkt., 5c.

**Carpet of Snow.** Very dwarf trailing plant. Pkt. 5c.

**AMARANTHUS** (Tricolor Splendens—Joseph's Coat.) 2½ feet. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. The colors are especially brilliant if grown in poor soil. Pkt., 5c.

**ANTIRRHINUM** (Snapdragon). Dark glossy leaves and beautiful spikes of flowers, with finely marked throats; one of the most showy border plants. Of easiest culture.

**Queen of the North.** Large, fragrant, white flowers. Nice for pot-culture as well as borders. Pkt., 5c.

**Tall Sorts.** 18 inch. Mixed. All shades of red and yellow; best for cutting. Pkt., 5c.

**Dwarf Sorts.** 8 inch. Mixed. Large variety of colors; best for edging. Pkt., 5c.



AGERATUM



**ASTERS.** One of the most popular flowers for late summer and fall display. Sow seed early in deep soil with plenty of mulch.

**Hohenzollern.** Improved. The flowers are very large and double, with curled petals on long stems, very graceful; mid season to late blooming. White, blue, pink, lavender, purple or mixed. Pkt .....10c

**Giant Comet.** A beautiful, distinct variety, resembling chrysanthemums, white and mixed colors. Pkt.....10c

**Queen of the Market.** The best early aster, flowering two weeks earlier than the other varieties. White, pink, scarlet, blue and mixed. Pkt.....5c

**Branching.** Large, late-blooming, with long, strong stems. Mixed colors. Pkt. 5c

**Betteridge Quilled.** Flowers large, freely produced, and of brilliant colors; height 12 inches. Mixed colors. Pkt .....5c

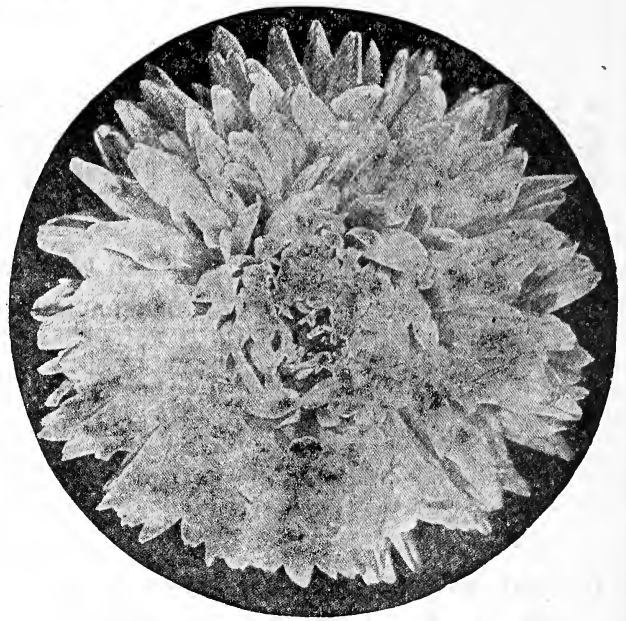
**Truffaut's Peony Perfection.** Large and perfectly double, with beautiful curved petals, giving flowers a globular form. Mixed colors. Pkt.....5c

**Chrysanthemum Dwarf.** Early flowering; 9 inches high. Good sized flowers, free bloomer. Mixed colors. Pkt.....5c

**Started Plants.** Mixed colors. Per dozen, 50c; postpaid.

**BALSAM.** Sometimes called "Touch-Me-Not" or "Lady's Slipper." A tender annual growing about eighteen inches tall in the shape of a small tree and producing all along the branches, showy single and double flowers like small roses. Should be grown in rich soil. T.A.

**Camellia-Flowered.** The best of all Balsams. Flowers very large, perfect in form, double and produced in abundance. Mixed colors. Pkt. 5c.



ASTER

**BACHELOR'S BUTTON** (See *Centaurea Cyanus*, page 63 and *Globe Amaranth*, page 64.) Pkt. 5c.

**BUTTERFLY FLOWER** (See *Schizanthus*, page 67.)

**CASTOR BEAN** (See *Ricinus*, page 67.)

**CANDYTUFT.** A free-flowering, hardy annual somewhat resembling *Alyssum*, but larger, with longer heads of bloom, fragrant and easily grown early in the season. Sow early where plants are to bloom.

**Empress.** A complete mass of pure white flowers. Valuable for bouquets. Pkt.....5c

**Fine Mixed.** Red, pink, and white. Pkt. ....5c

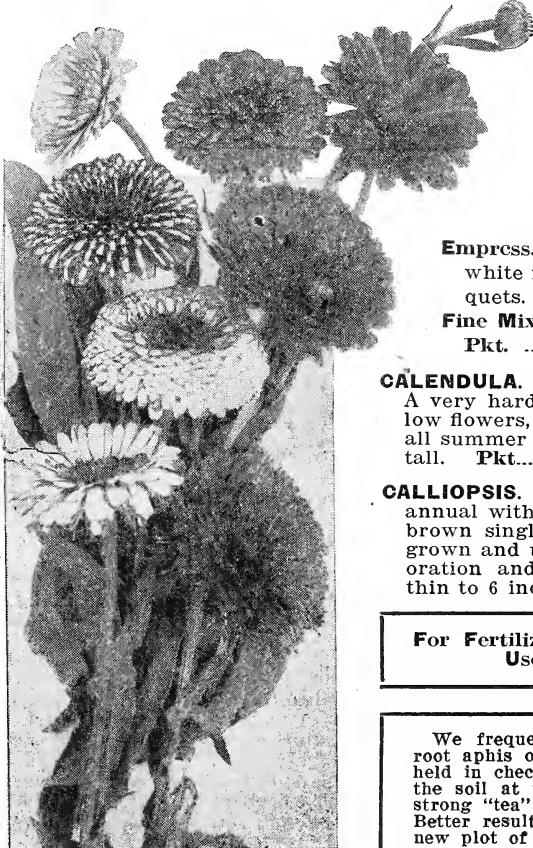
**CALENDULA.** The old "Pot Marigold." A very hardy annual with double daisy-like flowers, like double daisies. Blooms all summer and grows about 15 inches tall. Pkt.....5c

**CALLIOPSIS.** Very hardy and showy annual with bright yellow and reddish brown single daisy-like flowers, easily grown and useful both for garden decoration and cutting. Sow early and thin to 6 inches apart. Mixed. Pkt. 5c.

For Fertilizer in the Flower Beds  
Use "Sward Food"



CALLIOPSIS



CALENDULA

We frequently hear of Aster growers having trouble with the root aphid or green louse on the roots. This can be controlled or held in check by the free use of tobacco dust. Remove a little of the soil at the side of the plant and apply the dust, or make a strong "tea" by steeping tobacco stems, and water the plant with it. Better results can be obtained with Asters by planting them on a new plot of ground every year.



**CANNA (Indian Shot).** Stately plants with handsome foliage and showy flowers. The seeds should be soaked 24 hours in warm water before planting. If sown in February should bloom in July.

**Crozy's Dwarf Hybrid.** Saved from best and largest flowers only. All colors. Pkt.....5c

**CELOSIA CRISTATA (Cockscomb).** Plumosa. About 2 feet high, of branching habit, with feathery plumes of brilliant red; one of the most effective ornamental plants.

**Tall Varieties.** Mixed. Pkt.....5c

**Dwarf Varieties.** Mixed. Pkt.....5c

**CENTAUREA.** There are two types of this plant, one, the "Gymnocarpa" or "Dusty Miller," a plant with silvery grey foliage and largely used for bordering formal beds, and the other, our old-fashioned Bachelor Button or Corn Flower, Centaurea Cyanea, which is a very hardy annual flowering all summer and useful for cutting. Very easily grown.

**Cyanus. (Bachelor's Button.)** Also called Blue Bottle, Ragged Sailor and Corn Flower. Is a hardy annual, coming up year after year from self-sown seed. Mixed. Pkt.....5c

**Emperor.** Intense blue. Bachelor Button. Pkt.....5c

**Gymnocarpa. (Dusty Miller.)** Graceful, fine-cut, silvery white foliage. Nice for edging beds. Pkt.....5c

**Imperialis. (Giant Sweet Sultan.)** Double sweet-scented flowers borne on long, stout stems. Keeps for a week in water, if cut when about to open; 2 feet high; mixed. Pkt.....5c

**CHRYSANTHEMUM. (Annual)...** Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants, good for pot culture and quite distinct from the autumn flowering varieties. Choice mixed. Pkt.....5c



CANNA



CENTAUREA IMPERIALIS

**CLARKIA.** Very pretty free flowering annuals, desirable for shady places. The flowers of rose, white, red, purple, etc., borne in profusion during the summer; 1 to 2 feet. Mixed. Pkt.....5c

**CLEOME (Giant Spider Plant).** Pungens. Rose colored flowers with long stamens. A tall grower, and blooms freely until frost. Pkt.....5c

**COLEUS.** The most popular of all foliage plants. Easily grown from seed, but must be started in a box in the house or hot-bed as the seed is very fine and when sown is scarcely covered, but must be kept moist. Tender annual. Pkt.....5c

**COSMOS.** Autumn blooming plants of exceedingly graceful habit. The single star-like flowers are borne profusely in loose clusters, ranging in color from white through pink to crimson. The feathery spring green foliage well adapts it as a background for dwarfed flowers. If topped when half grown, the plants bloom much earlier, the check inducing immediately flowering. Seeds should be sown early in the spring and the plants transplanted two feet apart when danger from frost is past. Grows 5 to 7 feet high.

**Lady Lenox.** Strong, vigorous grower, bearing shell-pink flowers of extraordinary size and substance. Excellent for cutting. Pkt.....5c

**Mammoth Giant Perfection.** White, pink, red, or mixed. Pkt.....5c

**Early Flowering.** Comparatively dwarf plants, producing both white and colored flowers, coming into bloom much earlier than the giant forms and will give a great profusion of bloom until late in the autumn. Mixed. Pkt.....5c

**CYCLAMEN (Giganteum).** They make flowering bulbs in one season if sown in sandy soil. Beautifully mottled leaves, immense flowers of great substance. Mixed colors. Pkt.....15c

**DATURA (Sweet Nightingale).** A large, strong plant, with trumpet-shaped, fragrant, pearl-white flowers; 3 feet. Pkt.....5c

**DELPHINIUM (Larkspur.)** Giant Hyacinth-Flowered Mixed 3 feet. Derives its name from the striking resemblance of the flowers to a double Hyacinth. The colors are both brilliant and delicate. Pkt. 5c.



COSMOS

**Mixed Climbers, see page 70**





CALIFORNIA POPPY

ing quantities of single, poppy-shaped blooms in shades of yellow, orange and red. Flowers over a long period. Sow early where it is to remain, as it will not bear transplanting.

**California**, all shades of yellow. Pkt. 5c.

**EVERLASTING.** (See *Acroclinum*, *Celosia*, *Globe Amaranth*, *Gypsophila*.) Pick when flowers open and hang stems up, to dry for winter bouquets. Pkt. 5c

**FEVERFEW**—See *Matricaria*. Page 65.

**FOUR O'CLOCKS.** (Marvel of Peru.) This is another good old-fashioned flower, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect. Mixed. Pkt. 5c

**GAILLARDIA.** (Blanket Flower.)...*Picta Lorenziana*. The heads of star-shaped tufted flowers are greatly admired for their rich blending of red, yellow and orange. 1½ ft. Pkt. 5c

**GERANIUM.** Favorite house plant. Seed started early will bloom the first year. Mixed colors. Pkt. 5c

**GLOBE AMARANTH.** (Gomphrena.) Sometimes called Bachelor's Button. A very pretty everlasting flower with blossoms resembling clover. 2 ft. Red, white and mixed. Pkt 5c

**GODETIA.** Beautiful garden plants, having delicately shaded, large, satiny texture, trumpet-shaped blossoms. Easily cultivated in any good garden soil. 1½ ft. Pkt. 5c

**GOLDEN FEATHER.** See *Pyrethrum*. Page 67.



DIMORPHOTHECA AURANTIACA

**DIANTHUS.** Carnation-like flowers. Of value for bedding. The colors range from pure white to crimson, spotted and striped. Perennial, but bloom the first summer, and for years, if the flowers are freely picked.

**Chinensis** (Double Chinese or Indian Pinks). Compact plants with large double flowers. Excellent for bouquets as well as bedding. Pkt. 5c

**Heddewigi.** Double Japan Pinks.) Much larger than the Chinese Pinks.

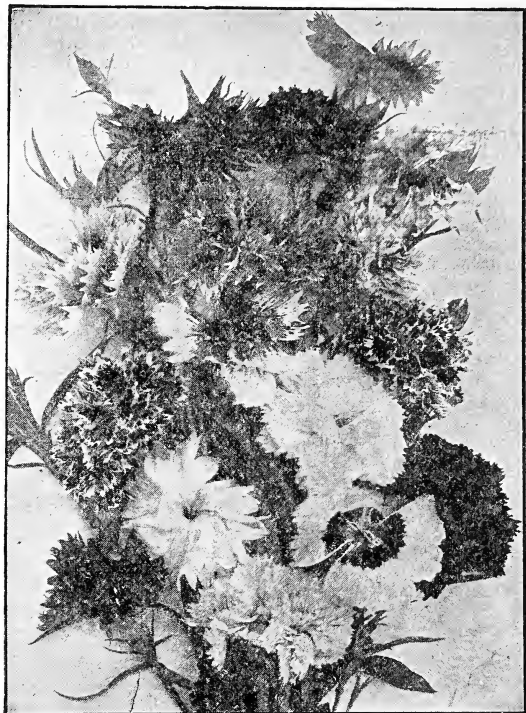
**Heddewigi Fireball.** Brilliant scarlet. Pkt. 5c

**Heddewigi Snowball.** Pure white. Pkt. 5c

**Heddewigi Midnight.** Blood red. Pkt. 5c

**Heddewigi Mixed.** All colors. Pkt. 5c

**DIMORPHOTHECA AURANTIACA.** (African Daisy.) An extremely showy annual daisy from South Africa which suits our climatic conditions perfectly. The bush plant grows 12 to 15 inches high. The flowers, which are 2½ inches across, are a rich glossy orange yellow with dark disk and halo. These glitter in the sunshine and produce a magnificent sight when in full bloom. Seed may be sown in the same way as *Asters* or *Petunias* and should have a dry, sunny position. They bloom the greater part of the summer and fall. Pkt. 10c



#### DIANTHUS

**GYPHOPHILA.** *Paniculata*. 2 ft. White flowers on branching stems, producing a veil-like mist over the plant. Pkt. 5c

**Elegans Rosea.** Soft pink in color. Pkt. 5c

**HELIANTHUS.** (Sunflower.) Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens.

**Californicus Fl. Pl.** 5t ft. Double dark yellow. Pkt. 5c

**Russian Mammoth.** Single, of gigantic dimensions. For larger amounts see Bird seed. Page 129. Pkt. 5c

**HELIOTROPE.** In shades of purple, fine for bouquets; the sweet vanilla odor is liked by all. Pkt. 5c

**ICE PLANT.** (*Mesembryanthemum*.) Page 65.

#### BEST ON THE MARKET

Park Co., Wyo., Mar. 27, 1916.

Dear Sirs:

Received seeds all right. Expect to have a fine garden. I have always found Griswold seeds the best on the market.

Respectfully,  
FRED G. CHURCHILL.



**IMPATIENS SULTANI.** Rosy carmine flowers 1 inch in diameter, produced freely throughout the season. Although a house plant, it does finely out of doors; 1½ ft. Pkt.....5c

**OSCHIA (Burning Bush or Summer Cypress.)** The plants grow with many slender branches resembling a small, closely sheared evergreen with light green leaves until fall, when the whole plant turns crimson. Seed germinates readily. Sow May 1, and thin to 2 feet apart. 2½ feet high. Pkt....5c

**ANTANNA.** Shrubby plants with Verbena-like flowers, in shades of white, red and yellow. Pkt.....5c

**ARKSPUR.** (See Delphinium.) Page 63.

**INANA (Kenilworth Ivy).** Flowers lavender and purple. A charming, small, hardy, perennial trailing plant, suitable for baskets, vases, pots and rock work. Pkt.....5c

**OBELIA.** Annual plants of dwarf compact growth, four to six inches in height covered with numerous small star-like flowers. Very pretty when grown as an edging for flower-beds, also for hanging- baskets and vases, and as house plants in pots in the winter.

**compacta Crystal Palace.** 6 in. Deepest blue, dark foliage. Pkt. ....5c

**trailing Lobelia.** A dwarf plant of trailing habit; splendid for porch boxes, hanging baskets and vases. Deep blue flowers and dark foliage. Pkt.....5c

**MARIGOLD.** The Marigolds are old favorites, free-flowering annuals of easy culture. They light the garden with a glitter of yellow far into the frosts of autumn. The tall varieties have uniformly large yellow or orange colored flowers, and are well adapted for large beds or mixed borders. The dwarf varieties make a fine border for the taller sorts, and both are effective when planted in groups or in the garden borders.

**frican.** Immense flowers, double all shades of yellow. Pkt. ....5c

**rench.** Dwarf grower; double flowers, rich golden yellow marked with velvety brown. Pkt....5c

**IATRICARIA (Feverfew).** Alba Plenissima. 3 ft. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climates, but in our latitude are treated best as biennials or annuals.

**HESEMBRYANTHEMUM.** (Ice Plant.) Suitable for rock work, hanging baskets, etc. Foliage thick, frosted, wax-like white flowers. Pkt..... 5c

**IGNONETTE.** A universal favorite on account of its sweet and delicate fragrance. The massive spikes are closely set with large, highly colored and very fragrant florets. Pkt.....5c

**MIMOSA.** Sensitive Plant. A curious and pretty plant; with pinkish white flowers; the leaves close and droop at the slightest touch at night. Pkt. ....5c

**ASTURTUM (Dwarf, or Tom Thumb.)** A bed of Dwarf Nasturtiums in the yard is very brilliant and attractive, blooming all the season. One foot high.

**cauty.** Scarlet, splashed canary. Pkt. ....5c

**chameleon.** Mottled crimson, bronze and yellow. Pkt. ....5c

**Crystal Palace Gem.** Sulphur with maroon spots. Pkt. 5c

**Golden King.** Deep yellow flowers. Pkt.....5c

**Golden Queen.** Leaves golden-green, flowers orange yellow. Pkt. ....5c

**King of Tom Thumbs.** Deep scarlet. Pkt.....5c

**Scarlet King.** Brilliant scarlet. Pkt.....5c

#### OUR SPECIAL DWARF NASTURTIIUM MIXTURE

Will give a larger variety of colors in even proportion than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the Dwarf Chameleon, which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50; postpaid.

**TALL NASTURTIIUMS,** see page 70.

**NICOTIANA AFFINIS (Tuberosc-flowered Tobacco).** Delicately fragrant, large white, star-shaped flowers; open at evening and early morning; easily grown, blooms freely in the house. 2 to 3 ft. Pkt.....5c

**NIGELIA.** (Love in a Mist or Devil in a Bush). Miss Jakyll. The plants are vigorous and give an abundance of double oddly shaped, fluffy flowers of the clearest blue, contrasting most charmingly with the fine fern-like foliage. Pkt. ....5c

**Affinis.** (Tuberosc-flowered Tobacco.) Delightfully sweet scented, pure white, tubular, star-shaped, flowers, blooming continually. Pkt.....5c

**Sanderae.** Sweet scented, brilliant red flowers on sturdy, bushy plants 2 feet high; grows readily from seed. Pkt. 5c



MARIGOLD



NASTURTIIUM





PANSY

**PANSIES**

One of the most interesting classes of flowers grown. A bed of Pansies in bloom always has something new for you in variety of color and marking, every time you visit it, although they are in bloom continuously from early spring until late in fall.

The seed may be sown in the hot bed or open ground. Keep the soil moist. They prefer a shady place. Do not let the plants seed if you wish to keep them in bloom. If sown in the fall, pansies will bloom very early in the spring.

**Started Plants.** Mixed colors, in bud and bloom. Per doz., 50c; postpaid.

**Masterpiece.** (Giant Curled.) The fluted petals make the enormous flowers appear double. The colors and combinations are odd and striking. Pkt., 20c.

**Mammoth Butterfly.** The flowers are very large, of good form and substance and produce freely. In coloring they are varied, seldom two alike in a hundred plants. They are mottled and spotted, streaked, tigered and splashed, while the colors are mainly those rich wine reds, chocolates, velvety red-brown, lavender, violet and purple shades which are only found in a pansy blossom, making a very beautiful display. Pkt., 15c.

**Giant Adonis.** Light blue. Pkt., 5c.

**Giant Atropurpurea.** Dark purple. Pkt., 5c.

**Giant Bronze.** Shade of bronze. Pkt., 5c.

**Giant Cardinal.** Brilliant red. Pkt., 5c.

**Giant Goldelse.** Yellow. Pkt., 5c.

**Giant King of Blacks.** Beautiful black. Pkt., 5c.

**Giant Emperor William.** Brilliant ultramarine blue, with a purple violet eye. Pkt., 5c.

**Fancy Striped.** A beautiful variety from Belgium, with good sized flowers, striped and mottled in various tints on contrasting ground colors. Pkt., 5c.

**Bugnot.** Shades of red and bronze. Brightest cardinal and reddish brown. Pkt., 10c.

**Odier.** Flowers of immense size, and are of the popular Odier type, being all three or five spotted on background of very rich colors. The flowers are of good substance and fine form, of most compact growth. Pkt., 5c.

**Finest Mixed.** A mixture of the best sorts and colors. Pkt., 10c.

**Superb Mixture.** A very good quality. Pkt., 5c.

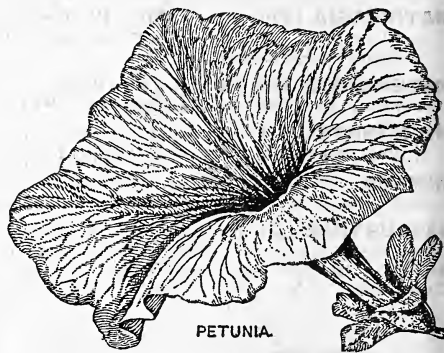
**Special Giant Mixture.** An excellent combination of fancy strains, selected with a view to being as near perfection as possible. Pkt., 10c.

**PANSY SPECIAL NO. 14**

1 Pkt. each of eight Giant named colors 30c.

**PANSY SPECIAL NO. 19**

1 Pkt. each Bugnot, Mammoth Butterfly and Odier 25c



PETUNIA

**PETUNIA**

Petunias are very popular for their rich coloring continuation of bloom, pleasing fragrance, and easy culture. Can be sown in the open border, in full sun or partial shade. Transplant easily. 1½ feet high.

**General Dodds.** Beautiful; velvety, dark red. Pkt.....5c

**Howards Star.** Rich, velvety, maroon with a white blotch on each petal. Pkt.....5c

**Snowball.** Pure snowy white. Pkt.....5c

**Giant Ruffled and Fringed Single.** The flowers are exquisitely ruffled or frilled, of immense size, and of great variety of colors. Pkt....10c

**Double Mixed.** Sure to produce a good percentage of double flowering plants. Pkt.....20c

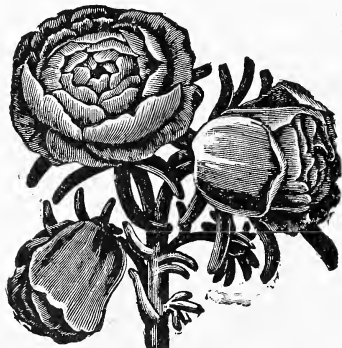
**Single Mixed.** Extra choice. Pkt.....5c

**PORTULACA (Rose Moss).** Forms masses of delicate green foliage covered with bright colored flowers somewhat resembling small roses. They thrive best in a rather rich, sandy soil and a sunny situation; will stand any amount of dry weather.

**Single Mixed.** All colors. Pkt.....5c

**Double Mixed.** Not all the plants will come double, but the single ones can be pulled out. Pkt.....10c

**PRIMULA (Chinese Primrose).** This is one of the most charming winter flowering house plants. Leaves are rich green and prettily cut, the starr shaped flowers stand well above the foliage in umbels and have a delicate odor peculiarly their own. Pkt.....15c



PORTULACA



**PHLOX DRUMMONDI—**

Sown in the open ground during April and May, they produce a perfect blaze of brilliant colored flowers until cut down by frost. The richness of color and the profusion with which the flowers are produced make them indispensable for massing in beds and borders. Thrives in almost any situation. For masses of

separate colors or for bouquets they are unsurpassed. One foot high.

Scarlet. Very showy. Pkt. ....5c

Alba. Pure white. Pkt. ....5c

Rosy Chamois. Beautiful shade of rose. Pkt. ....5c

Extra Choice Mixed. Best large flowered. Pkt. ....5c

Starred and Fringed. Very dwarf flowers fringed and distinctly edged with white. Mixed Pkt. ....5c

**POPPIES**

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. Sow the seed where the plants are to grow, as they do not bear transplanting.

Tulip. Cup-shaped, brightest scarlet with black spots at base of each petal. Single. Pkt. ....5c

Peony-Flowered Mixed. Splendid large double flowers of all colors. Pkt. ....5c

Shirley. Pink, carmine and brilliant crimson; many edged with white; single and half double, splendid. Pkt. ....5c

White Swan. Immense double fringed flowers of purest white. Pkt. ....5c

Carnation Flowered. Brilliant, finely fringed double flowers of various colors. Pkt. ....5c

**PYRETHRUM (Golden Feather) Parthenifolium Aureum.** 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. More successfully treated as an annual.

**RICINUS (Caster Bean) Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. The difference between the varieties is in the coloring of the grand bamboo-like stems and the long slender leaf stalks. Pkt. ....5c

**SALPIGLOSSIS (Velvet Flower.)** Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube

with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. Grows easily from seed. Plant in warm, rich soil. 1½ feet tall. Mixed Pkt. ....5c

**FLOWER SEED COLLECTION**

See Page 42

**SALVIA. (Flowering Sage.)** Among the most brilliantly colored of garden flowers and extremely useful for bedding; also valuable for pot culture. Blooms are borne in long spikes of fiery red, and continue in bloom until severe frosts. Start in house and transplant into light soil. Tender perennials, 2 to 3 feet tall. Pkt. ....5c

Started Plants, 50c dozen; postpaid.

**SCABIOSA. (Mourning Bride.)** Commonly known as the Pincushion Plant owing to the queer effect of the center of the flower. The outer petals making a ruffle around the cushion, filled with pins, carries out the idea. The flower stems are long and the blossoms keep well in water. The soft shades predominate. 2½ ft.

Tall German Double. Mixed, all colors. Pkt. ....5c

Black Prince. Very double, rich dark maroon. Pkt. ....5c

Snowball. Elegant, white flowers, sure to be liked for vases and bouquets. Pkt. ....5c

**SCHIZANTHUS (Butterfly Flower).** "The Poor Man's Orchid," neat, pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs. 1 ft. Pkt. ....5c



SHIRLEY POPPIES



**SENSITIVE PLANT.** (See Mimosa, page 67.)

**SMILAX.** One of the most desirable window vines, on account of its charming, glossy green, elegant, and graceful foliage. Sow seed in February and keep in moist place. Pkt.....5c

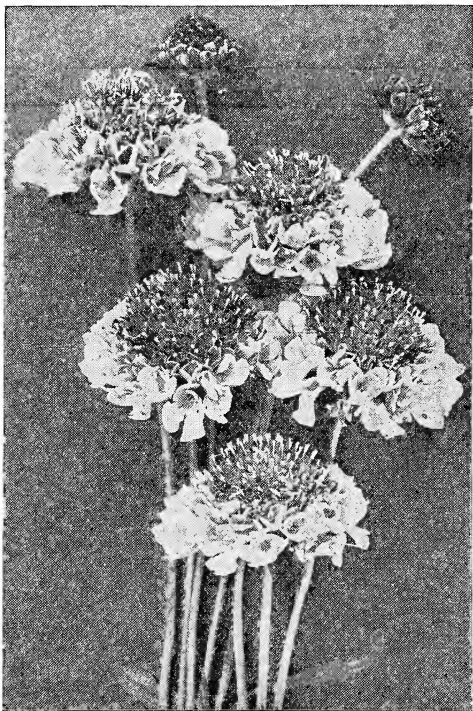
**SNAPDRAGON.** ..(See Antirrhinum, page 61.)

**STOCK Giant Perfection.** Very desirable because of its brilliancy of color, profusion and duration of bloom. Fragrant, with large double rosette-like flowers. Mixed. Pkt.....5c

**Princess Alice.** Snow white. Of branching habit. Very profuse bloomer, especially if kept cut. Pkt. 5c.

**SUNFLOWER.** (See Helianthus, page 64.)

**WALLFLOWER.** Single annual. Very fragrant; purple orange and bronze. A favorite English flower. Seed sown the first of May will bloom from July until severe frosts. It is very satisfactory as a pot plant for winter, if kept in a cool room. Pkt.....5c



SCABIOSA

**ZINNIA.** Flowers all summer, making the most brilliant display possible. Plants are of strong branching growth with abundant dark-green foliage, each branch terminating in a bold showy flower. Excellent for border or summer hedge. Seeds grow easily and young plants transplant safely.

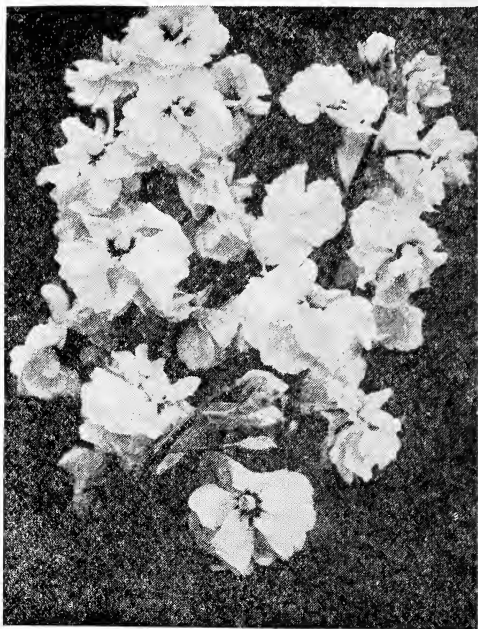
**Giant Flowering.** Plants of vigorous growth, about 3 feet high, bearing profusely their perfectly formed double flowers. Mixed. Pkt.....5c

**Dwarf Fireball.** Glowing, brilliant scarlet. Pkt.....5c

**Zebra.** Flowers striped with red and yellow. Pkt.....5c

**White Gem.** Small, double white flowers. Pkt.....5c

There are many bargains and low prices in this catalog, it will pay you to read it carefully.



STOCKS

**VERBENA.** Free-flowering hardy annuals of low-spreading growth; flowers of the most brilliant colors. Sow them early and they will bloom profusely from June until winter.

**Defiance.** Best scarlet. Pkt.....5c

**Alba.** Delicate white. Pkt.....5c

**Mayflower.** Delicate pink, very fragrant. Pkt.....5c

**Hybrida Blue.** Blue shades. Pkt.....5c

**Purple.** Purple shades. Pkt.....5c

**Choice Mixed.** All colors Pkt.....5c

**Started Plants.** Mixed colors. Per dozen, 50c; postpaid.

**VINCA (Periwinkle).** Splendid house and bedding plant, with glossy leaves and circular flower; mixed. Pkt. ....5c



SALPIGLOSSIS



# SEEDS OF ANNUAL CLIMBERS

## Sweet Peas

USE FARGOGERM FOR SWEET PEAS. See page 48.

Sweet Peas are among the most beautiful of all our hardy annuals. Select a sunny, open place, several feet from any building or close fence, and as far as possible from large trees. Sow as early in the spring as the ground can be worked. Make a trench six or eight inches deep, but cover the seed only about an inch at first. As they come up, rake the dirt around the little plants, so that by the time they have reached the top of the ground, the trench will be almost full. Furnish support early. Give them plenty of water, and keep the blossoms picked closely. If they produce seed pods, they will stop blooming.

### LARGE FLOWERING AND UNWIN TYPES

**AURORA.** A Beautiful orange rose. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**BLACK KNIGHT.** Deep maroon, veined black; large and open. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c;

**BLANCHE BURPEE.** Large pure white. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**BOLTON'S PINK.** The extra large expanded flowers are of a soft salmon-orange pink, very showy. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**COUNTESS RADNOR.** A new lavender, very fine. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c.

**DOROTHY ECKFORD.** Pure white flowers, beautifully shell-shaped; extra large, three on a stem. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**DUKE OF WESTMINSTER.** Very rich purple tinted with violet. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**EMILY HENDERSON.** Very large, beautiful white. Blooms early. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**EVELYN BYATT.** Standard rich orange salmon, wings a somewhat deeper shade. Very striking. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c.

**EXTRA EARLY BLANCHE FERRY.** Standard rose-pink, wings creamy white. Very early. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c.

**FLORA NORTON.** A rich lavender, entirely free from any pinkish tinge—almost a bright blue. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c.

**FRANK DOLBY.** Pale blue, very large and fine. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c.

**GLADYS UNWIN.** A pale rose pink, with large bold flowers on long stems. Very early. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**HORACE WRIGHT.** Large purple flowers on long stems. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**LADY GRISEL HAMILTON.** A very light, dainty lavender. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**LOVELY.** A soft shell pink. Very good. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**MRS. DUGDALE.** Light carmine rose with faint markings of primrose. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**MISS WILMOTT.** One of the richest orange-pink sweet peas. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**MRS. GEO. HIGGINSON, JR.** Azure blue. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c.

**NAVY BLUE.** Dark indigo blue. Large and well formed. Pkt. 5c oz. 10c;  $\frac{1}{4}$  lb. 25c.

**NORA UNWIN.** Nicely waved or fluted; usually has three flowers on a stem. One of the best white sweet peas yet introduced. Pkt. 5c oz.;  $\frac{1}{4}$  lb. 50c.

**PRIMA DONA.** Exquisite rose pink; large and profuse. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**PRINCE OF WALES.** Rosey crimson. Pkt. 5c oz. 10c;  $\frac{1}{4}$  lb. 25c.

**PHYLLIS UNWIN.** Very large size. Rosy carmine. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**QUEEN ALEXANDER.** Scarlet. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**SALOPIAN.** Rich red scarlet; large and fine. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**SHASTA.** Vines vigorous. Standard and wings both waved. Creamy white when first open, changing to ivory white. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**SYBIL ECKFORD.** Wings delicate lemon; standard bluish pink or creamy buff. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

### SPENCER or BUTTERFLY VARIETIES

**APPLE BLOSSOM.** Heavily shaded and edged with deep pink, rose and white. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**BLANCHE FERRY.** Carmine rose, pinkish white wings. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**BURPEE'S WHITE SPENCER.** Extra long stems bearing three or four pure white blossoms. Standard fluted. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**COUNTESS SPENCER.** Enormous flowers, delicate pink shading deeper at the edges. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**HELEN LEWIS SPENCER.** Orange-rose wings; with crimson-orange standard. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**JESSIE CULBERTSON SPENCER.** Dark rose-striped on white. Pkt. 15c; oz. 75c;  $\frac{1}{4}$  lb. \$2.25.

**KING EDWARD VII.** Grand large flowers of a rich crimson scarlet. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**KING WHITE.** Giant white. Pkt. 15c; oz. 60c;  $\frac{1}{4}$  lb. \$1.85.

**MARGARET ATLEE.** Rosy salmon, buff. Pkt. 15c; oz. 60c;  $\frac{1}{4}$  lb. \$1.85.

**MRS. ROUTZAHN.** Apricot pink and straw color. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**OTHELLO.** Chocolate-red, self-colored. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 75c.

**PRIMROSE SPENCER.** Pure primrose. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**ROBERT SYDENHAM.** Orange. Pkt. 25c; oz. \$1.25.

**VERMILLION.** Brilliant, bright scarlet. Pkt. 15c; oz. 50c;  $\frac{1}{4}$  lb. \$1.75.

**WEDGEWOOD.** Large silvery blue. Pkt. 15c; oz. 50c;  $\frac{1}{4}$  lb. \$1.75.

### SWEET PEAS IN MIXTURES

**CHOICE MIXTURE OF SPENCER VARIETIES.** Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**LIGHT SHADES.** Light to deep pink. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00.

**DARK SHADES.** Brightest rose to dark scarlet. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00.

**SPECIAL MIXED.** A well proportioned mixture of the above named varieties. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00.

**CHOICE MIXED.** A good mixture of many old and new varieties. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 85c.





WILD CUCUMBER

**SPECIAL NO. 16**

For those who desire vines to cover long stretches of fence, etc., we have a mixture of 12 or more varieties of annual climbers. Pkt. 5c; 15c per half oz; 25c per oz.

**GOURDS.** Desirable for many places where an immense amount of vine is wanted quickly, producing odd and interesting fruit. Most sorts grow 20 to 30 feet in a season.

**Dish Rag.** Many ladies prefer a dish cloth made of sponge-like lining of this gourd to anything else, as it is always sweet and clean as long as any part of it is left. Pkt.....5c

**Sugar Trough.** This gourd grows large, holding from 3 to 5 gal. Very hard shell. Pkt.....5c

**Nest Egg.** Resembling the eggs of hens; are uninjured by the cold or wet, therefore make the best nest eggs. Pkt.....5c

**Pear Shaped.** Striped yellow and green. Pkt. 5c

**Mixed Gourds.** All of the above. Pkt.....5c

**HUMULUS.** (Japanese Hop.) A rapid growing climber of easy culture, leaves variegated. Sows itself after first year. Pkt.....5c

**CARDINAL CLIMBER.** We consider this a most beautiful, brilliant and distinct annual climber and rapid grower, attaining a height of 20 feet or more with beautiful deeply cut leaves not unlike some of the Japanese Maples, and is literally covered with a blaze of circular, fiery, cardinal red flowers from mid July to frost. The flowers are about half an inch in diameter and are borne in clusters of from 5 to 7 blooms each. Should be planted in warm, sunny situation on good soil. Pkt. ....10c

**CLIMBING NASTURTIUM.** Ideal ramblers that readily climb fences or wire netting. They are also very showy planted at the top of a steep slope, or simply trailing on the level ground. They endure hot, dry weather very well and bloom continually till frost. Foliage clean and refreshing. These blossoms are larger and the stems longer than the Dwarf Nasturtiums. Mixed. Per oz. 10c; pkt.....5c

**King Theodore.** Rich, deep crimson; dark leaves. Pkt.....5c

**Edward Otto.** Brownish lilac. Pkt.....5c

**Jupiter.** Rich golden yellow. Pkt.....5c

**Mme. Gunther's Hybrids.** Striped or blotched with shades of red, yellow and orange. Pkt.....5c

**Pearl. (Moonlight.)** Whitish. Pkt.....5c

**Scarlet.** Bright glowing red. Pkt.....5c

**Vesuvius.** Bright salmon rose. Pkt.....5c

**DWARF NASTURTIUM.** See page 65.

**COBÆA.** A beautiful, rapid growing climber, with large purplish, bell-shaped flowers; plant the seed edgewise, and cover lightly. Pkt. ....5c

**CONVOLVULUS** or **MORNING GLORY.** The well known kind. Mixed colors. Pkt.....5c

**Japanese Giant.** The mammoth flowers of this vine run from 4 to 6 inches across and are marked with most beautiful colors and shadings. The vines are strong and robust, growing from 30 to 50 feet high during the season. Pkt.....5c

## Annual Climbers

**ARISTOLOCHIA.** (Dutchman's Pipe.) An ornamental climber with brownish flowers resembling a miniature pipe. A perfectly hardy perennial standing any climate where the oak lives. Pkt. ....5c

**BALLOON VINE.** (Love in a Puff.) A rapid grower with fine white flowers, followed by inflated seed pods resembling small balloons. Height 10 feet. Pkt. ....5c

**BALSAM APPLE AND PEAR.** Very rapid and dense climbers, with golden-yellow fruit which opens when ripe, showing the seed and blood-red inside. Mixed. Pkt. ....5c

**CANARY BIRD FLOWER.** A rapid growing, delicate vine with clean, handsome foliage and an abundance of canary-yellow blossoms, somewhat resembling a bird with half extended wings. An excellent climber for shady places. Pkt. ....5c

**CYPRESS VINE.** A beautiful climber with a profusion of scarlet or white star-shaped blossoms and fern-like foliage, adapted to ornamental work. Pkt. ....5c

**DOLICHOS.** (Hyacinth Bean.) Splendid climber, producing abundant clusters of pea-like purple and white flowers, followed by ornamental seed pods. 10 to 20 ft. Pkt.....5c

**MOON FLOWER.** (Ipomea Notiflora.) One of the most vigorous climbers. Will grow 30 feet; its large waxy white flowers open evenings and cloudy days. The hard outer coat of the seed should be cut through with a knife, and planted in warm, rich ground. Keep the soil moist. Pkt. ....5c

**PASSION FLOWER.** One of the best summer vines for general growing. The beautiful blue flowers somewhat resemble a water lily in shape. Pkt. ....10c

**WILD CUCUMBER.** A very rapid climber, often growing 30 feet in one season. It is covered with clusters of white sweet-scented flowers, followed by ornamental prickly seed pods. It is fine to cover a trellis, old tree or unsightly building, and will sow itself after the first year. Ounce, 15c; Pkt.....5c



COBÆA



# Nursery Department

## ORNAMENTAL SHADE TREES

We offer one of the finest assortments of shade trees in the west. Our trees and shrubs are carefully packed and wrapped in burlap, sent by express at your expense unless otherwise ordered.

T denotes trees that attain a height of 40 ft. and over; M, 25 to 40 ft.; S, 8 to 15 ft.; D, 2 to 8 ft.

### ACER—MAPLE

**A. Dasycarpum or Eriocarpum. (Silver-leaved.)** T.—A hardy rapid growing native tree of large size, valuable for street planting. Our stock of these is very large in all sizes. Price, 8 to 10 ft. 75c; 10 to 12 ft. \$1.00; specimens, \$2.00 each.

**A. Dasycarpum var. Wierii Laciniatum. (Wier's Cut-leaved Silver Maple.)** T. One of the best cut or dissected-leaved trees, being of rapid growth it soon produces an effect. Young shoots slender and drooping. Price, 8 to 10 ft. \$1.00; 10 to 12 ft. \$1.50 each.

**A. Negundo. (Ash Leaved Maple or Box Elder.)** M.—A fine, rapid growing variety, with handsome, light green foliage and spreading head; very hardy; desirable for street planting and succeeds in many sections where other varieties do not thrive. Price, 8 to 10 ft. 75c; 10 to 12 ft. \$1.00 each.

**A. Platanoides. (Norway.)** T.—A native of Europe. Its large, compact habit, broad, deep green shining foliage, render it one of the most desirable species for streets, parks and lawns. Price, 8 to 10 ft. \$1.50; 10 to 12 ft. \$2.00 each.

**A. Platanoides Var. Schwedleri. (Purple Norway Maple.)** M.—The beautiful leaves attract attention at all seasons, but are especially fine in spring when their gleaming red and purple contrasts brightly with the delicate green of other trees. In mid-summer they are purplish green, in autumn golden yellow. Price, 6 to 8 ft. \$1.50; 8 to 10 ft. \$2.00 each.

**A. Saccharum. (Sugar.)** T. A very popular American tree, and for its stately form and fine foliage justly ranked among the very best, both for lawn and avenue. Price, 8 to 10 ft. \$1.50; 10 to 12 ft. \$2.00 each.

### AESCULUS—Chestnut.

**A. Hippocastanum (Horse.)** T.—This magnificent large-sized tree has no superior on the lawn. In the spring it is profusely covered with panicles of white flowers, dotted with red. Price, 5 to 6 ft. \$1.00; specimens, \$2.00 each.

### AILANTHUS—Tree of Heaven

**A. Glandulosa.** T.—A rapid growing, lofty tree, long, elegant foliage. A distinct ornamental tree with pinnate foliage, exempt from diseases and insects. Useful in giving tropical effects. Price 6 to 8 ft. 75c; 8 to 10 ft. \$1.50 each.

### CATALPA—Indian Bean

**C. Bungei (Chinese Catalpa.)** D. A small species that grows 8 to 10 feet high, and nearly as broad, forming a great bush clothed with a dense mass of heart-shaped leaves. Among our hardy shrubs there are but few, if any, that are more effective as foliage plants for park or lawn. When grafted on a stalk of one of the tree species, 5 or 6 feet high, it makes a handsome standard tree, with a very dense and symmetrical globular head. Price, 1 yr. head \$1.50; 2 yr. head, \$2.00 each.

**C. Speciosa (Western.)** T.—One of the most rapid growers. Large heart-shaped, downy leaves and compound panicles of white flowers tinged with violet and dotted with purple and Yellow. This is one of the most valuable of timber trees, valuable for lumber, tie and fence posts. Every farm should have from one to five acres in timber belt of this valuable tree. Price, 8 to 10 ft. 75c; 10 to 12 ft. \$1.00 each.

### BETULA—Birch

The various varieties of birches are considered among the most graceful of the deciduous trees, and are almost indispensable in producing decorative effects. Various barks always attractive.

**B. Alba (European White Birch.)** T. Of which Coleridge says: "Most beautiful of forest trees, the lady of the woods." Price, 6 to 8 ft. \$1.00; 8 to 10 ft. \$1.50 each.

### CERASUS—Cherry

**(European Bird.)** See Prunus Padus.

### CERCIS—Red Bud

**G. Canadensis (American Judas.)** M.—A small tree of irregular rounded form, with pretty foliage, and very showy when in bloom; the branches and twigs are covered with a dense mass of small pink flowers in the fifth month before the leaves expand. Price, 4 to 5 ft. 75c; 5 to 6 ft. \$1.00 each.

### CELTIS—Hackberry or Nettle Tree

**C. Occidentalis.** M.—A native tree that deserves more general planting. Leaves are light green, glossy, pointed. Not subject to insect pests. Branches are slender and grow horizontally, forming a wide-shaped head. Thrives in all soils. Price 6 to 8 ft. \$1.00; 8 to 10 ft. \$1.25; specimen \$1.75 each.

### CRATAEGUS—Thorn

**C. Coccinea (Scarlet-fruited Thorn.)** M.—A fine native variety. Single white flowers in spring, scarlet fruit in autumn. Price, 3 to 4 ft. 75c each.

**C. Oxyantha Var. Flore Alba Plena (Double White Thorn.)** S.—Has small, double white flowers. A highly ornamental variety, on account of both foliage and flowers. Makes a striking contrast when planted with the double scarlet. Price, 3 to 4 ft. 75c each.

**C. Oxyantha Var. Coccinea Flore Plena Paulii (Paul's Double Scarlet Thorn.)** S.—Flowers bright carmine red. Superior to any of its color. Price 3 to 4 ft. 75c each.

### GYMNOCLADUS—Kentucky Coffee Tree

**G. Dioica. (Canadensis.)** M. A strikingly ornamental, irregular, open-topped tree, with peculiar rough-barked and twigless branches and immense, broad, double-compound foliage of a peculiar bluish-green color. The flowers are white, in open racemes, followed by immense, long, brown pods. Picturesque and desirable. Price 6 to 8 ft. \$1.00; 8 to 10 ft. \$1.50 each.

### JUGLANS—Walnut

**Butternut (Juglans Cinerea.) (White Walnut.)** A lofty, spreading tree, it is one of our finest native nut trees, valued for its tropical appearance, its beautiful wood, as well as for the nuts. Produces large, handsome, elongated nuts with rich, sweet, oily kernel; very nutritious. Tree grows rapidly and yields large crops in a few years. A fine tree to plant near the house. Price 5 to 6 ft. \$1.00; 6 to 8 ft. \$1.25 each.

**Walnut (American Black.)** The large, oily nuts are borne in heavy crops. They are much relished and always bring a fair price in market. Trees grow quite fast; wood is very valuable. Price 5 to 6 ft. 75c; 6 to 8 ft. \$1.00 each.

### KOELREUTERIA—Varnish Tree

**(K. Paniculata.)** M.—A charming small tree, a native of China, with glossy, divided foliage and large terminal panicles of showy golden-yellow flowers in July, followed by curious bladder seed-vessels. Its pleasingly colored foliage and neat habit of growth, with its showy flowers, render it a desirable lawn tree. Price 5 to 6 ft. \$1.25; 6 to 8 ft. \$1.75 each.

### LARIX—Larch

**L. Europacus (European.)** T. A beautiful rapid-growing pyramidal tree with all the characteristics of an evergreen, except that it drops its foliage in the autumn. Price 5 to 6 ft. 75c; 6 to 8 ft. \$1.00 each.



**LIRIODENDRON—Tulip Tree**

- L. Tulipefera.** T. One of the very largest native trees, with large, smooth, shining leaves, greenish-yellow flowers and an unbrageous head. Price 6 to 8 ft. \$1.00; 8 to 10 ft. \$1.50 each.

**PLATANUS—Sycamore or Plane**

- P. Occidentalis (American Plane).** T. A tree of the largest size, growing rapid, very ornamental and entirely hardy. Fine for street planting. Price 6 to 8 ft. 75c; 8 to 10 ft. \$1.00; specimens \$2.00 each.

- P. Orientalis (European Plane).** T. A lofty, wide-spreading tree; large five-lobed leaves; valuable for its handsome foliage and free growth; makes an excellent street tree. Price 8 to 10 ft. \$1.00 each.

**POPULUS—Poplar**

- P. Nigra Fastigiata (Lombardy).** T. This grows to an immense height, and is remarkable for its columnar growth. Price 10 to 12 ft. 75c; 12 to 14 ft. \$1.00 each.
- P. Alba Bollcana (Silver).** M. New pyramidal form, leaves dark green on upper side, brilliant silver underneath. Very beautiful. Price 6 to 8 ft. \$1.00; 8 to 10 ft. \$1.50 each.
- P. Deltoides (Monolifera) (Carolina).** M. A vigorous, healthy native tree of rapid growth, pyramidal in form, with large, glossy leaves; valuable for park or street planting. Price 8 to 10 ft. 75c; 10 to 12 ft. \$1.00; specimens \$1.50 each.

**PRUNUS**

- P. Padus (European Bird Cherry).** M. A rapid-growing, beautiful tree, with glossy foliage and long bunches of white, fragrant flowers in May, succeeded by clusters of fruit like black currants. Price 6 to 8 ft. 75c; 8 to 10 ft. \$1.25 each.
- P. Pizzardi (Purple-leaved Plum).** S. A very remarkable and beautiful tree, with black bark and dark purple leaves, remaining so until late in the fall. Price 3 to 4 ft. 75c each.
- P. Triloba (Double Flowering Plum).** D. A beautiful small tree or shrub of fine habit, with elegant, double, rosy flowers, set very closely on the slender branches. Price 3 to 4 ft. 75c each.

**QUERCUS—Oak**

- Q. Palutris (Pin Oak).** M. Foliage deep green finely divided; assumes a drooping form when it acquires age. One of the most valuable for street planting. Price 6 to 8 ft. \$1.50 each.
- Q. Robur (English Oak).** M. A broad, spreading, graceful tree of slow growth and long lived. Price 6 to 8 ft. \$1.50 each.
- Q. Rubra (Red Oak).** T. An American species of large size and rapid growth, foliage purplish red in the fall. Price 6 to 8 ft. \$1.50 each.

**ROBINIA—Acacia or Locust**

- R. Pseud-Acacia (Black Locust).** M. A native tree, of large size; rapid growth; is being large-

ly planted for timber; it is also quite ornamental. The flowers are in long racemes, white or yellowish, fragrant. Blooms in June. Price 6 to 8 ft. 75c; 8 to 10 ft. \$1.00 each.

**SALISBURIA—Maiden Hair**

- S. Adiantofolia.** T. A native of China and Japan forming a medium or large tree; leaves fan-shaped. Tree of a rapid growth and belonging to the Conifera. Price 6 to 8 ft. \$1.25 each.

**SORBUS—Mountain Ash**

- S. Aucuparia (Mountain Ash).** M. A small tree with shining, pinnated leaves and large cymes of white flowers, followed by clusters of bright red fruit. Price 6 to 8 ft. \$1.00; 8 to 10 ft. \$1.50 each.

**TILIA—LINDEN**

- T. Americana (American).** T. A fine pyramidal tree, with large-sized leaves and fragrant flowers. Price 6 to 8 ft. 90c; 8 to 10 ft. \$1.25 each.
- T. Europaea (European).** M. A fine pyramidal tree, with medium-sized leaves and fragrant flowers. Price 6 to 8 ft. 90c; 8 to 10 ft. \$1.25 each.

**ULMUS—Elm**

- U. Americana (American).** T. The noble, drooping, spreading tree of our woods. One of the grandest of park and street trees. Select specimens. Price 6 to 8 ft. 75c; 8 to 10 ft. \$1.00; 10 to 12 ft. \$1.50; specimens \$2.00.
- U. Campestre (English).** M. A native of Europe; a noble, rapid-growing tree, forming a dense head; a desirable tree for streets, avenues, etc. Price 8 to 10 ft. \$1.25 each.

**WEeping TREES****MORUS—Mulberry**

- M. Var. Tartarica Pendula (Tca's Weeping Mulberry).** S. A graceful and beautiful hardy tree, forming a perfect umbrella-shaped head, with long, slender, willowy branches, drooping to the ground and gracefully swaying in the wind. Price 1 yr. head \$1.50; 2 yr. head \$2.00 each.

**ULMUS—Elm**

- U. Var. Camperdown Pendula (Camperdown Weeping Elm).** S. One of the finest weeping trees for the lawn. With broad foliage and branches drooping gracefully to the ground. Price 1 yr. head \$1.50; 2 yr. head \$2.00 each.

**SALIX—Willow**

- S. Babylonica Var. Ramulis Aureis (Golden-Barked Babylonian Willow).** T. A novel and distinct variety of the well-known Babylonian Willow, with bright golden bark in winter. Price 6 to 8 ft. \$1.00; specimens \$2.50 each.

# Evergreens--Coniferae

**Transplanted Evergreens for Windbreak Planting**

Protect your home and buildings with an Evergreen Windbreak. Plant three rows 10 feet apart and the trees 10 feet apart in the row. We offer four splendid varieties. Ponderosa Pine, Scotch Pine, Jack Pine and Norway Spruce. The Pine varieties are especially adapted for the sandy soil of Kansas, Nebraska and neighboring states, while the Norway Spruce does well in clay or loam. All these trees have been several times transplanted and have fine root systems. See illustration.

	Per 10	Per 100
Norway Spruce, 12-18 inch transplants.....	\$1.50	\$5.00
Scotch Pine, 12-18 inch transplants.....	1.50	7.50
Ponderosa Pine, 12-18 inch transplants.....	2.25	10.50
Jack Pine 12-18 inch transplants.....	1.50	7.50

50 of same variety and size at 100 rate, 5 of same variety and size at 10 rate. Write for prices on other varieties and sizes. We furnish about forty hardy varieties.



Transplanted Evergreen. Note the splendid root system



# Specimen Evergreen Trees

The following Evergreen Trees have all been transplanted two or three years, are handsome, selected trees, well branched and rooted. Suitable for lawns, etc. Are dug with ball of dirt and burlapped.

- ABIES—Fir**  
**Violacea (White Fir).** The best strain of this tree. Grows rapidly and forms magnificent specimen blue needles. Price 2 to 3 ft. \$3.50; 3 to 4 ft. \$4.00 each.
- Picea canadensis (Black Hill Spruce).** Large conical form; branches well developed; leaves light green above, glaucous below. Price 2 to 3 ft. \$1.50; 3 to 4 ft. \$2.25 each.
- JUNIPERUS—Juniper**  
**horizontalis (Common Juniper).** One of the most popular Junipers for hedges and formal in character, resembling a cypress. Price 2 to 3 ft. \$1.50; 3 to 4 ft. \$2.25 each.
- horizontalis (Common Juniper.)** A spreading form, with deep, dark green foliage. Very valuable for rockeries, grouping and border planting. Price 1 to 1½ ft. \$2.00; 1½ to 2 ft. \$2.75 each.
- horizontalis (Common Juniper.)** One of the most valuable trees for windbreaks; perfectly hardy; too well known to need description. Our trees are all selected and have been several times transplanted. Price 18 to 24 in. \$1.00; 2 to 3 ft. \$2.00; 3 to 4 ft. \$3.25 each.



BLUE SPRUCE

- PICEA—Spruce**  
**P. canadensis (Black Hill Spruce).** This is a truly remarkable tree, well suited to our varying climatic needs. Plant liberally of this splendid variety and you will never regret it. It grows to a large size, finally reaching a height of 75 to 100 ft. Moderately fast grower. Price 18 to 24 in. \$1.00; 2 to 3 ft. \$2.25; 3 to 4 ft. \$4.50 each.
- P. excelsa (Norway Spruce).** Rapid in growth, gracefully drooping in habit, dense in structure, regular in outline and perfectly hardy. Price 2 to 3 ft. \$2.50; 3 to 4 ft. \$3.25 each.
- P. pungens glauca kosteriana (Koster's Blue Spruce).** The richest colored of the tinted evergreens, hardy, vigorous grower, elegant habit. A beautiful tree for any lawn with its silvery blue sheen. We handle only the very best imported grafted trees of this variety. Price 18 to 24 in. \$2.00; 2 to 3 ft. \$4.00; 3 to 4 ft. \$7.50 each.
- P. pungens glauca (Colorado Blue Spruce).** This is the selected blue form of the Picea pungens. Only a small percentage of this variety produces the true blue foliage. Price 2 to 3 ft. \$2.25; 3 to 4 ft. \$6.00 each.
- THUJA—Arborvitae**  
**T. occidentalis (American Arborvitae).** A well known native species of great value. It forms an upright conical tree of only medium size, and is especially valuable for screens and hedges. Price 2 to 3 ft. \$1.25; 3 to 4 ft. \$2.25; 4 to 5 ft. \$3.00 each.

## Special Offers in Evergreen Trees

### AMERICAN ARBORVITAE, THE NATIONAL HEDGE

There is not a lawn, no matter of what proportion where an Arborvitae hedge would not enhance its beauty, to a high degree. 100 trees will plant 100 feet of hedge.

American Arborvitae, 12-18 inch transplants..... Per 10 Per 100  
 50 tree at 100 rate, 5 at 10 rate. \$2.25 \$12.00

### Evergreen Trees by Parcel Post

Twelve different kinds put up in packages of 50 or 100 trees. Each package \$1.00, any 6 for \$5.00 prepaid.

Fine for hedges, windbreaks and ornamental lawn planting. Safe arrival guaranteed to any point in the U. S.

Complete planting instructions and cultural directions will be furnished with each order.

Evergreen trees will bring a new beauty and charm to your home. There is unquestionably no better way of beautifying your place than surrounding it with beautiful Evergreens. They conserve the soil's natural moisture, form a shelter and nesting place for the birds that rid your acres of worms and insects. They are a source of salable timber for fence posts and other uses. Plant some Evergreens around your garden and just see how much difference there is in the temperature and moisture. You will find that you can grow flowers, fruits and vegetables that you never could before.



1. 100 Norway Spruce, Tall Dark Green.....2-5 inch, 2 year seedlings
2. 100 Scotch Pine, Tall Bluish Green.....2-5 inch, 2 year seedlings
3. 100 Douglas Fir, Tall Dark Green.....3-6 inch, 2 year seedlings
4. 100 Assorted Evergreens, Five varieties.....3-6 inch, 2 year seedlings
5. 100 Colorado Blue Spruce, Tall Silvery Green.....4-8 inch, 3 year seedlings
6. 100 White Pine, Tall Lustrous Green.....3-6 inch, 2 year seedlings
7. 50 Black Hill Spruce, Tall Bluish Green.....3-6 inch, 3 year seedlings
8. 100 American Arbor Vitae, Conical Deep Green.....2-5 inch, 2 year seedlings
9. 100 Dwarf Mugho Pine, Low Deep Green.....2-4 inch, 2 year seedlings
10. 100 Jack Pine, Tall Bright Green.....3-6 inch, 2 year seedlings
11. 50 Red Cedar, Medium Bright Green.....6-10 inch, 2 year seedlings
12. 100 Ponderosa Pine, Tall Dark Green.....3-6 inch, 2 year seedlings



Price postpaid, \$1.00 per package, any 6 for \$5.00. Think of it, 100 trees for \$1.00



# Hardy Ornamental Shrubbery

The planting of shrubs, or perhaps combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard, straight lines of the architecture; or grouped at the sides of walks, carriage drives, and fences, they break what might be a monotony over bare lots, and give a tone of privacy to the home surroundings. Even find places that will suggest their use, and when in flower, or adorned with their foliage, their charm and beauty will be appreciated from early spring until late autumn, when they display their brightest colored leaves, to be followed by the red berries during the winter months. Those who are not well acquainted with varieties of shrubs, what to plant, we shall be glad to help in selecting and make suggestions for all sites and purposes.

T—Denotes shrubs that grow 12 to 15 feet high  
L—Denotes shrubs that grow 8 to 12 feet high  
M—Denotes shrubs that grow 6 to 8 feet high

S—Denotes shrubs that grow 12 to 15 feet high  
D—Denotes shrubs that grow 8 to 12 feet high

Prices on ornamental shrubs are by express at your expense unless otherwise noted.



**ALTHEA.** *Hibiscus.* Rose of Sharon. *Anemoneflorus.* Double Rose. 50c each.  
*Ardens.* Double Violet. 50c each.  
*Boule de Feu.* Double Red. 50c each.  
*Coelestis.* Single Blue. 50c each.  
*Jeanne d'Arc.* Double White. 50c each.  
*Snowdrift.* Pure White, Variegated foliage. each

**TREE ALTHEA.** *Jeanne d'Arc; Anemoneflorus; Ardens.* 4-5 feet. 75c each.

**ARALIA SPINOSA** (*Hercules Club, Angelica Tree, or Devil's Walking Stick.*) A singular native tree-like shrub, growing from 10 to 15 feet high, with very prickly stems, pinnate leaves and immense pinnacles of white flowers in August, followed by black fruit which makes it attractive until late in fall, an odd tropical looking plant. 50c each.

**BARBERRY.** *B. Thunbergii.* D. From Japan. A very pretty species of dwarf habit, small foliage, changing to a beautiful coppery red in autumn. Valuable as an ornamental hedge. 18-24 inches, 20c each; \$1.75 per 10; \$15.00 per 100.

**Purpurea.** (*Purple Leaved.*) S. A fine shrub, growing three to five feet high, with violet purple foliage and fruit; blossoms and fruit beautiful; very effective in groups, hedges or planted by itself. 18-24 inches, 25c each; \$2.00 per 10; \$15.00 per 100.

**B. Vulgaris.** (*Green Leaved.*) M. A handsome, deciduous shrub; flowers yellow, berries dark red. Of upright growth, with light green foliage. 18-24 inches, 25c each; \$2.00 per 10; \$15.00 per 100.

**BUDDLEIA.** (*Butterfly Shrub, or Summer Lilac.*) *Varia bilis Magnifica.* One of the most desirable summer flowering shrubs, beginning to bloom in July, it contains a pleasing shade of violet-rose, and are borne

continues until cut by severe frost. The flowers are in dense cylindrical spikes, which, under liberal cultivation, are from 12 to 15 inches in length by 3 inches in diameter; it succeeds everywhere and flowers freely the first season planted, and is always admired. 50c each; small size 30c.

**CALYCANTHUS FLORIDS** (*Sweet or Strawberry Shrub.*) An old favorite, double chocolate-colored strawberry scented flower. 25c each.

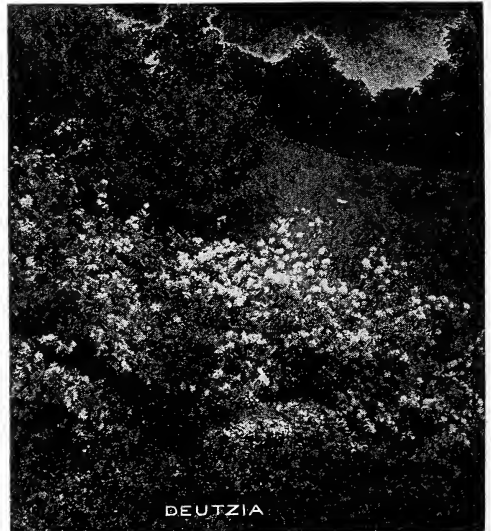
**CARAGANA** (*Pea Tree.*) A handsome dwarf tree with bright yellow flowers in May and June. 5 to 6 feet \$1.00 each.

**CLETHRA ALNIFOLIA** (*White Alder, or Sweet Pepper Bush.*) One of our native dwarf shrubs, bearing spikes of pure white, deliciously fragrant flowers during July and August. 35c each.

**PRUNUS JAPONICA** fl. pl. (*Almond.*) A beautiful dwarf shrub, producing its showy double flowers early in May before the leaves appear. We can supply both white and pink. 50c each.

## Bee Supplies

You will find a partial list of BEE SUPPLIES on pages 119-120. Space will not permit us to list a complete line, but we will very gladly send you a complete catalog upon request. We handle the A. I. Root goods, which we consider the best on the market in point of workmanship and material used. There is a good profit in Bees. Send for our free catalog.







**CORNUS (Dogwood).** The shrubby Dogwoods are mainly valuable for the brilliancy of their barks and berries, and the handsome variegation of their foliage.

**Lutea.** A yellow barked dogwood which gives a very beautiful effect in winter, when contrasted with the *Siberica*. 35c each.

**Siberica.** Grows 6 to 10 feet high, with clusters of fine white flowers, succeeded by a fall crop of ornamental berries, stem and branches turning to blood-red in winter. 30c each.

**Stolonifera.** (Red Ozier Cornel.) Medium sized and spreading, with dark red bark and white flowers, berries white. 35c each.

**CYDONIA JAPONICA (Japan Quince.)** Very early in spring, this fine old shrub is completely covered with dazzling scarlet flowers, followed by small, quince-shaped fruits which are quite fragrant. Growth bushy and dense, with protecting thorns. 40c each.

**DEUTZIAS.** Valuable, self-sustaining shrubs which vary considerably in height and habit, but bloom alike in dainty bell or tassel-shaped flowers borne thickly in wreaths along their branches in June. The taller sorts are useful for specimens, groups, and the background of shrubberies, the dwarfier for borders or for planting near the house.

**Crenata.** Distinct from all others; white. 40c each.

**Gracilis.** A favorite dwarf bush, covered with spikes of pure white flowers in early summer. 30c each.

**Lemoinei.** Large flowers of pure white borne in cone shaped heads. 50c each.

**Pride of Rochester.** Grows 6 to 8 feet high, and blooms in May before the others. Flowers large and free; double white. 50c each.

**DOUBLE FLOWERING CRAB.** One of the most beautiful of the many fine varieties of flowering crabs. Tree of medium size, covered in early spring with large, beautiful, double fragrant flowers of a delicate pink color. From a distance the flowers have the appearance of small roses. 3½ ft. Large \$1.00.

**FORSYTHIA (Golden Bell.)** These splendid old shrubs, growing 8 to 10 feet tall eventually, light up the garden with glinting masses of yellow, very early in spring before the leaves appear. Their bright golden flowers, often appearing before the snow is gone, vie with the Crocus as harbingers of spring.

**Intermedia.** The earliest blooming. 40c each.

**Suspensa. (Drooping Golden Bell.)** Flowers bright yellow, and of slender, drooping habit. Suitable for planting on banks or walls where the long branches may trail. 35c each.

**Viridissima.** A fine variety, with leaves and bark a deep green. Flowers deep yellow, very early in the spring. 40c each.

**HYDRANGEA. Paniculata Grandiflora.** This familiar old shrub is one of the most prominent factors during August and September, in brightening up the lawn and shrubby groups. Single specimens, if planted in rich soil and severely pruned every spring before the leaf buds open, will get to be very dense, stocky clumps of compact form, and are wonderfully attractive when laden with their massive white plumes. Large beds, kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green. 50c each.

**Arborescens Grandiflora. (American Everblooming.)** A grand addition to the summer flowering hardy shrubs; dwarfing the show of other sorts in July and August by the magnitude and profusion of its flower-heads. The flowers are, in a large way, similar to the familiar "Snowball" in appearance, and are conspicuously white and imposing, whether as single specimens, as cut flowers, or in grouping. 50c each.

**Tree Shaped.** Very desirable in this form, in formal lines and back-grounds. 3 to 4 ft. 75c each.

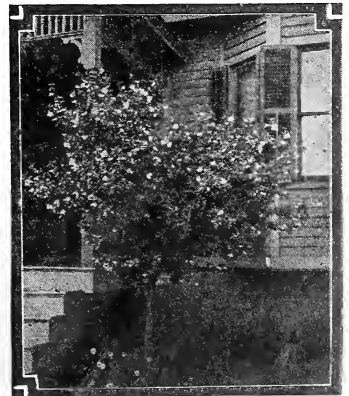
**LONICERA (Bush Honeysuckle).** The upright Honeysuckles have bright and pretty fragrant flowers followed by showy berries that last through the fall. Make desirable and attractive hedges.

**Alberti. (Siberian Honeysuckle.)** Dwarf bushy growth, about 2 feet, with silvery, pinnate foliage; fragrant, violaceous pink flowers in June. 30c each.

**Ledebouri.** A new variety, very showy with bright red blooms in May. 40c each.

**Tatarica Grandiflora Alba.** A variety of upright habit, with very large, pure white flowers. 50c each.

**Tartarica Rosea.** The best known of all the Bush Honeysuckles, and in our estimation the finest variety of all. Grows to a height of 8 to 10 feet with upright somewhat spreading branches and bright green foliage. The flowers are borne freely in May and June, are of bright pink color, followed by showy red berries, which ripen in mid-summer, and cling to the bush for several weeks. This fine shrub is of great value planted as a background for smaller shrubs. It withstands successfully the severest winters. 50c each.



DOUBLE FLOWERING CRAB

**Evergreens, see pages 72-73**



**LILAC (Syringa).** This group is so well known that there is no need of extended description. To reach perfection, should have a moist, rich soil. We would call special attention to the newer varieties, as great improvement has been made in them.

**Charles X.** A strong rapid growing variety, with large, shining leaves. Trusses rather loose; large, reddish-purple. 50c each.

**S. Rothomagensis.** Very much like the Persian in growth; flowers are reddish purple. 50c each.

**S. Villosa. (Lilac Villosa).** 6 to 8 ft. From Japan. Large, branching, panicles standing well above the bush; light purple in bud, white when open, fragrant. Foliage resembles that of the white fringe. Especially valuable, as its flowers appear two weeks after other varieties. 50c each.

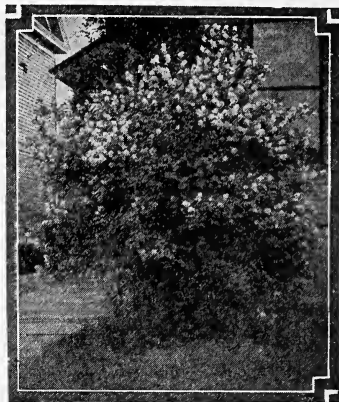
**Jeanne d'Arc.** Fine, large-flowered; white. 75c each.

**S. V. Michel Buchner.** Clear lilac. Double. 50c each.

**S. V. President Carnot.** Light lilac. Double. 50c each.

**Vulgaris. (Common Lilac).** We can furnish white and purple. 25c each.

**PRIVET (Lingustrum).** Besides being one of our best hedge plants, the various species of Privet form interesting groups on the lawn. They are almost evergreen; of dense compact habit. The flowers are fragrant and are followed by pretty sprays of different colored berries.



SYRINGA

**Amoor River.** Much hardier than any other. Stood last winter without killing. The foliage is glossy green, holding its color almost the entire year. Will stand any kind of shearing. 18 to 24 inches, well branched, \$1.00 per 10.

**Ibota.** A valuable hardy Privet of the West and Northern states. It is almost evergreen and grows rapidly in all soils. Compact and regular in form and bears shearing to any extent. Flowers white and fragrant. Leaves long and shiny. A charming shrub for hedges or specimens on the lawn. 18 to 24 inches, well branched, \$1.00 per 10.

**Regelianum.** A handsome Japanese Privet, with spreading branches and dark green foliage, contrasting well with the racemes of fragrant white flowers in summer; elegant and graceful as an isolated specimen. 40c each.

**Ovalifolium Aureum. (Golden-leaved Privet).** A beautiful golden variegated form and very effective for associating with other dwarf shrubs. 35c each.

**PYRUS ARBUTIFOLIA (Black Chokeberry).** A tall-growing shrub with light green foliage; small pinkish flowers in May; and shiny black berries late. 40c each.

**RHUS AROMATICA (Fragrant Sumac.)** Grows 2 to 4 feet tall; flowers yellow, in clusters along the stems, followed by red berries in June. Leaves color to brilliant scarlet in fall.

**Purple Fringe (R. Continus). L.** A much admired small tree or shrub for its curious fringe of hair-like flowers that cover the whole surface of the plants in mid summer. 50c each.

**Common Sumac. (R. Glabra).** 6 to 8 feet. The brilliant-colored foliage in autumn makes fine contrast with a dark background. Can be used with good effect in landscape work. 50c each.

**Staghorn Sumac (R. Typhina).** A large shrub or tree. Brilliant foliage and scarlet fruit in autumn. 50c each.

**Cut-leaf Sumac. (Var. Laciniata).** 4 to 5 feet. A very striking plant of medium size, with deeply cut leaves resembling fern leaves, dark green above and glaucous below, turning to a rich red in autumn. 50c each.

**RIBES. (Flowering Currants).** Hardy, bushy shrubs growing 8 to 10 feet high, prized on account of their early spring flowers; bright berries and dark; and pretty richly coloring foliage.

**Aureum (Golden Currant).** Yellow flowers and dark brown fruits. 40c each.

**Sanguineum (Red Flowering Currant).** Red barked twigs; and reddish purple flowers. 50c each.

**SYRINGA (Philadelphus).** Also known as Mock Orange. Are mostly large shrubs, growing from 6 to 10 feet high. Of various habit, very hardy, with large, handsome foliage and beautiful white flowers produced in great profusion. They merit a place in every collection of shrubbery.

**Bouquet Blanc.** Tall, erect grower, with coarse foliage; large double or semi-double flowers, in clusters of a dozen or more at the axils of the leaves, so close together as to resemble branches of snowballs. 50c each.

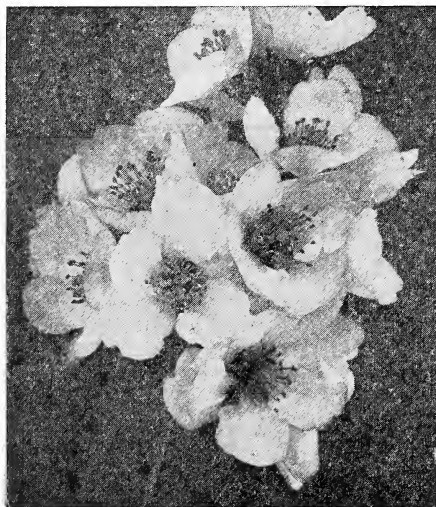
**Coronarius (Garland Syringia).** A fine old form, 8 to 10 feet tall, that blooms among the earliest of the family, in very graceful sprays. Its large white flowers are delightfully scented. 50c each.

**Grandiflora.** Very large flowers in June. Fine. 50c each.

**Zeyheri.** One of the most showy, with spreading branches. Literally covered with flowers an inch and a half across. 50c each.

**SAMBUCUS (Elder).** Although these shrubs are attractive in flower and fruit, they are chiefly grown for their beautiful leaves.

**Acutiloba (Cut-leaved American Elder).** No more beautiful ornament to the grounds can be planted; its great handsome cymes of delicate white, fragrant flowers in June and July creating a most artistic effect. They are followed by large clusters of fruit. 50c each.



JAPANESE QUINCE



**Aurea. (Golden Elder).** Contrasted with other shrubs, the golden yellow leaves of this Elder give heightened effects in tone and color. Flowers white, in flat-topped cymes. Grows naturally 10 to 15 feet, but can be pruned into a neat, compact little bush. 40c each.

**SNOWBALL VIBURNUM—Opulus Sterilis (Common Snowball).** L. An old and well-known shrub, bearing large balls of pure white flowers. 50c each.

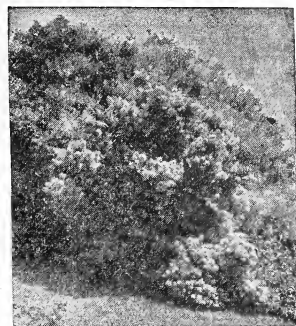
**Opulus (High Bush Cranberry).** L. Very ornamental berries resembling small cranberries, hang until destroyed by frost late in fall. 50c each.

**Plicatum (Japan).** M. A rare and exceedingly beautiful species of Japan; flowers in large globular heads; pure white, hanging long on the bush; a very choice and desirable shrub. 50c each.

**SPIREA (Meadow Sweet)** An indispensable class of small to medium-sized shrubs, embracing a wide range of foliage, habits of growth, color of flowers and season of blooming. All of easiest culture in all soils.

**S. Anthony Waterer.** D. A new crimson-flowered variety. It makes a low, compact bush, 15 to 18 inches high, and is covered nearly the whole growing season with large umbels of deep crimson flowers. Perfectly hardy, it makes a fine, compact plant for low clumps or for bedding purposes. 40c each.

**S. Billardii.** M. Medium sized shrub, producing spiked panicles of flowers, bright rose colors. 40c each.



PURPLE FRINGE

**S. Bumalda.** S. A spreading, low bush, with dark leaves brightened by corymbs of pretty, light pink flowers in May, and at intervals all summer. 50c each.

**S. Collosa.** M. A choice species; flowers in flat-tish umbels, bright pink and very showy. 50c each.

**S. Opulifolia (Nine Bark)** M. A strong growing shrub with white flowers. 40c each.

**S. Prunifolia.** fl. pl. M. Very distinct, with numerous small, double white flowers, bloom early. 40c each.

**Sorbifolia (Ash-leaved Spirea).** A vigorous species, with leaves



BRIDAL WREATH

like that of the mountain Ash, long, elegant spikes of white flowers in July. 50c each.

**S. Thunbergii (Thunberg's.)** S. Dwarf habit and round, graceful form, branches slender and somewhat drooping; foliage narrow and yellowish green. Flowers, small white. Esteemed on account of its neat, graceful habit and early blooming. 40c each.

**S. Van Houtte.** M. The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Clusters of twenty to thirty flat, white florets make up the racemes, and these clusters are set close along the drooping stem. Perfectly hardy and an early bloomer. 40c each.

**SYMPHORICARPUS RACEMOSUS (Snowberry.)** Fructo Alba. A well known dwarf with small pink flowers and large white berries that hang on the plant the greater part of the winter. 40c each.

**Vulgaris (Indian Currant).** Similar to the Snowberry except that its fruits are red, and that the smaller red berries cluster in thick ropes about the weighted-down stems. Growth is also more compact and formal, comparing well with the Privets for hedges. 40c each.

**TAMARIX (Tamarisk).** The Tamarisks are hardy shrubs, of strong growth, foliage light and feathery, their flowers delicate and fringing, usually in some light shade of red or pink. They will grow anywhere.

**Africana.** L. A tall, graceful shrub with small foliage like a Juniper, and delicate small rosy purple flowers, produced in spikes; very pretty. 50c each.

**Gallica.** L. Delicate pink or white flowers in slender-panicked racemes; leaves bluish green. An exceedingly pretty species. 50c each.

**WEIGELIA.** A valuable family, handsome in foliage as well as flowers. Are easily grown and adapted to a variety of soils. The flowers are trumpet-shaped, and are borne thickly in clusters along the stem.

**D. Candida.** M. Of vigorous habit, flowers pure white and produced in great profusion in June, and continue to bloom at intervals through the summer. 50c each.

**D. Desboisii.** M. A beautiful variety with deep, rose-colored flowers, resembling Rosea, but flowers much darker. One of the best. 50c each.

**D. Eva Rathke.** M. A charming new Weigela; flowers brilliant crimson; a beautiful, distinct, clear shade. 50c each.

**D. Rosea Variegata.** S. An exceedingly pretty variety, the variegation being very distinct. 50c each.

**D. Rosea.** M. One of the most popular shrubs known. Flowers bright rose. 50c each.



WEIGELIA



## Hardy Climbing Vines

Orders should reach us by May 1st at the latest

Your home, out-buildings, fences and trunks of old trees can be made very attractive by the use of hardy vines. Such permanent improvements add greatly to the value of your property, and the value increases from year to year. We furnish nice, strong, field grown plants at prices given below.

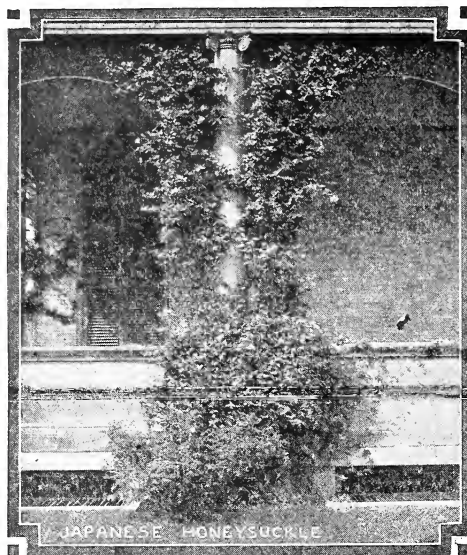
### HONEYSUCKLES

For real handsome vines, to be near you, climbing over your windows and doorways, there is nothing prettier than sweet-scented Honeysuckles; the foliage is pretty, neat and clean, the flowers are almost continuous, and their fragrance delicious. The varieties described below are the very best.

#### Honeysuckle Hedges

Some of our friends have conceived the idea of planting Honeysuckles along the division fences, and it is wonderful what pretty hedges they make. Iron or wire fences are the best, but almost any kind is soon covered with a mantle of living green. Other climbing vines will answer the purpose, but the sweet-scented Honeysuckles are both fragrant and beautiful. They should be planted two feet apart.

**MONTHLY FRAGRANT.** Red and yellow; very fragrant. Blooms all summer; leaves tinged reddish color. Large size only 45c; postpaid.



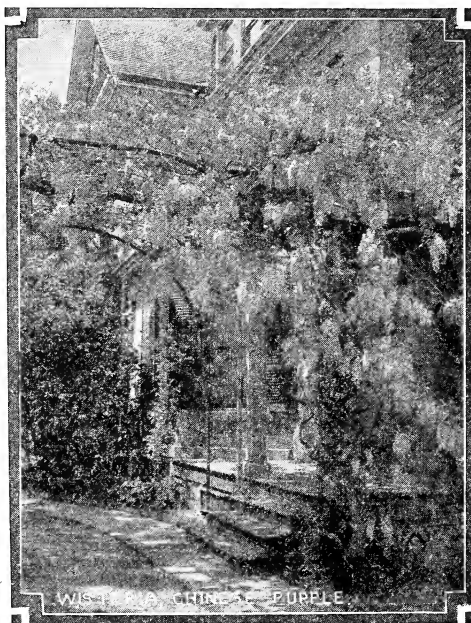
### HARDY IVES

#### ENGLISH IVY. (Ingelmanii)

This is a hardy evergreen climbing vine, with dark glossy leaves much used for covering walls of churches and for cemetery work; is a true evergreen; retains its bright green leaves all winter. Very useful for covering graves, especially where grass will not succeed well. 15c each; 3 for 40c; postpaid. Large size 45c; postpaid.

#### BOSTON IVY. (Ampelopsis

Veitchii.) A beautiful climbing plant. This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping foliage, giving it the appearance of being shingled with green leaves. The color is a fresh deep green in summer, changing to the brightest shade of crimson and yellow in autumn. It is quite hardy and becomes more popular every year. 15c each; 3 for 40c; postpaid. Large size 45c; postpaid.



### WISTERIA

The Wisteria is particularly valuable for training over buildings, second floor verandas and wherever tall-growing climbers are wanted; it is a vigorous rapid grower, entirely hardy. The flowers are borne in large clusters. One of the best climbing vines for verandas, balconies, etc.

**CHINESE PURPLE.** Of lovely, rich, violet-purple color, deliciously scented; handsome. Small 15c each; 3 for 30c; large size 50c each; postpaid.

**CHINESE WHITE.** Of similar habit to purple variety, but with pure white flowers; a lovely climber. 16c each; 3 for 45c; large size 60c; postpaid.

One plant each of small size Purple and White 25c; postpaid.

**HALL'S JAPAN.** A strong growing, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant and covered with flowers from July to November. Small 15c each; large size 45c; postpaid.

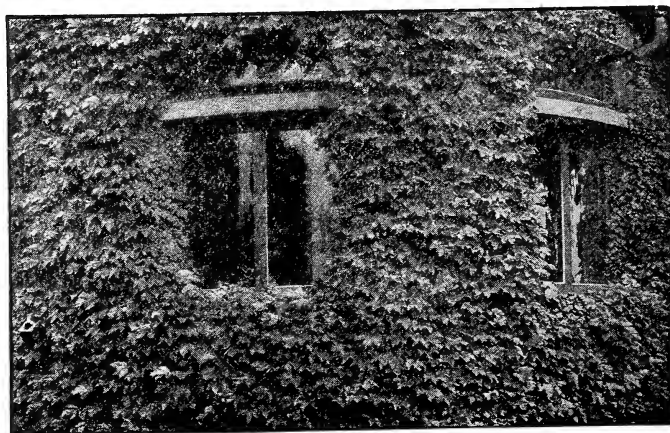
**SCARLET TRUMPET.** Red trumpet-shaped flowers; blooms freely, vigorous and rapid growing. Small 15c each; large size 45c; postpaid.

**AUREA RETICULATA** (Golden Leaved.) Variety with beautiful variegated foliage of yellow, white and pink. 15c each; postpaid.

**CHINESE EVERGREEN.** Sweet-scented. Blooms almost all the season; very fragrant, flowers buff, yellow and white. Small 15c each; large size 45c; postpaid.

**YELLOW TRUMPET.** Golden, trumpet-shaped flowers; fragrant. Small 15c each; large size 45c; postpaid.

One each of the five small size Honeysuckles 50c; postpaid.



AMPELOPSIS VEITCHII



## CLEMATIS

here is no more ornamental class of plants than Clematis and the rich show of bloom produced by the best varieties is far too magnificent to be fairly portrayed by mere words. The colors run from intense velvety-purple, through crimson, blue, lavender and white. We presume that every one of our customers who sees Clematis plants in bloom each summer promises to plant some in his own garden or yard at the next opportunity. Here is the opportunity. They are especially adapted to our climate.

### LARGE FLOWERING VARIETIES

**DUCHESSE OF EDINBURG.** One of the best double whites, of vigorous habit, very free of bloom and deliciously fragrant. 50c each; postpaid.

**HENRYII.** A vigorous grower and a free bloomer, producing its large, pure white flowers constantly during summer and early autumn. The best large-flowered variety producing pure white flowers. 50c each; postpaid.

**JACKMANII.** The flowers are large, intense rich velvety violet-purple and are produced in such masses as to form a cloud of bloom. Well known and very popular. 50c each; postpaid.

**MADAME BARON-VEILLARD.** Of recent introduction and quite like its parent, the popular Jackmanii, in habit and make-up, except that its flowers are a lively, satiny lavender-pink; entirely distinct from any other variety and charming in effect. 50c each; postpaid.



JACKMANII

**MADAME EDOUARD ANDRE.** Also of the Jackmanii type and is the nearest approach to a bright red that has yet appeared. The flowers are very large, usually six-petaled, of a distinct, pleasing shade of carmine, and are produced in bewildering profusion. 50c each; postpaid.

**RAMONA.** Lavender-blue, flowers large, often nine inches across. Most beautiful of its color known. 50c each; postpaid.

### SMALL FLOWERING VARIETIES

**PANICULATA.** One of the most valuable of all hardy flowering vines. Of exceedingly rapid growth, soon reaching a height of fifteen to twenty feet and spreading out in all directions. Small, pure white flowers, borne in great masses of panicles or clusters on long stems, so profuse as to fairly cover the plant with a sheet of fleecy white. Its blooming period is in August and September, when most other vines have ceased, and it is then a sight to behold. Not its least charm is its delightful Magnolia-like fragrance. Hardy as an oak. Fine vines, 15c; two for 25c. Strong two-year field plants to bloom this year, 40c each; postpaid.

### SPECIAL OFFER

The above set of six distinct large-flowering Clematis for \$2.25 any three for \$1.25. This is a bargain as the roots are large, strong and sure to grow.

**BIGNONIA (Trumpet Creeper.)** Scarlet trumpet flowers with long, handsome, dark green foliage and quite showy clusters of orange and scarlet flowers during the summer. Large only, 45c each; postpaid.

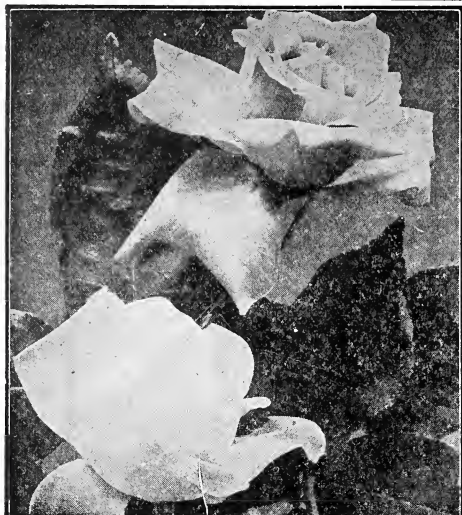
**CINNAMON VINE.** A beautiful hardy climbing vine, which will quickly surround an arbor, window or veranda with a profusion of vines covered with handsome, glossy, heart-shaped leaves, bearing great numbers of delicate white blossoms, which emit a delicious cinnamon fragrance. We know of no vine that is more satisfactory, being perfectly hardy, thriving everywhere, and when once planted will grow for many years and be a source of constant delight. The vines quickly make long shoots 25 feet or more in length, and can be used for all purposes where a beautiful climbing vine is needed. Ornamental climbers are Nature's drapery, and few, if any, other plants can compare with the Cinnamon twining and climbing in its own native graceful beauty. It should be planted by everyone. Plant the bulbs about one inch deep in rich soil, and with the approach of winter cover lightly with straw and leaves to prevent freezing. 3 for 15c; 6 for 25c; postpaid.

**ARISTOLOCHIA SIPHO (Dutchman's Pipe.)** A very rapid-growing hardy climber. The flowers are long and shaped like an old Dutch pipe. 50c each; postpaid.



PANICULATA





WHITE MAMAN COCHET

## TEAS AND HYBRID TEAS

**CHERRY RIPE.** An extraordinary free-flowering Hybrid, branching in habit, vigorous and hardy, and as free as a Tea Rose. The flowers are medium in size, well formed, globular, light rosy-crimson; as fragrant as the Hybrid Perpetuals. Small 15c each; large 35c; postpaid.

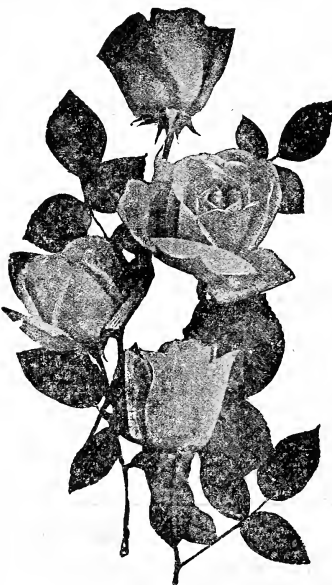
**ETOILE DE FRANCE** (Star of France). A brilliant shade of clear red-crimson velvet, centering to vivid cerise; large flowers on long, stiff stems; remarkably vigorous, free-blooming and hardy. Grown to some extent as a cut flower variety, but its chief value lies in its striking beauty as an outdoor bloomer and bedder with bronzy-green foliage. Small 15c each; large 35c; postpaid.

**KAISERIN AUGUSTA VICTORIA.** Pure white, does not pink when planted out; splendid, large buds and superb, full, double blooms, making the choicest cut flowers. A most sturdy grower, blooming steadily from early spring until late frost. Small 15c each; large 35c; postpaid.

**KILLARNEY.** (The Irish Beauty). Brilliant sparkling pink with large, pointed buds, broad, wax-

**LA FRANCE.** Silvery-rose, with pink shades and satin-like petals of unsurpassable beauty; large, symmetrical and deliciously fragrant blossoms from June until frost; hardy with protection. Small 15c each; large 35c; postpaid.

**LEMON QUEEN.** Lemon-yellow. The build of the flower is a refined "Druschki." The fragrance is delicious and is a desirable attribute. A rose par excellence. Small 25c; each; large 50 cents; postpaid.



KILLARNEY

# Roses

**NOTE:** The "large" roses are 2-year-old field grown "small," 1-year-old pot grown. Order in spring, no later than June 1st.

REGARDING PRICES, WHERE THE PRICE FOR EACH IS—				
				Doz
\$0.15, we supply.....	3 for	\$0.40.....		\$1.5
.20, we supply.....	3 for	.55.....		2.0
.25, we supply.....	3 for	.65.....		2.5
.35, we supply.....	3 for	1.00.....		3.6
.40, we supply.....	3 for	1.10.....		4.2
.50, we supply.....	3 for	1.25.....		5.0
.75, we supply.....	3 for	2.15.....		8.0

To obtain the most satisfactory results, roses should be planted in well drained, rich deep loamy soil, and given a location where they will have sunlight and a circulation of air. For winter protection an application of composite or rotten manure should be given them in the late autumn, and spaded into the ground the following spring.

### NOTICE

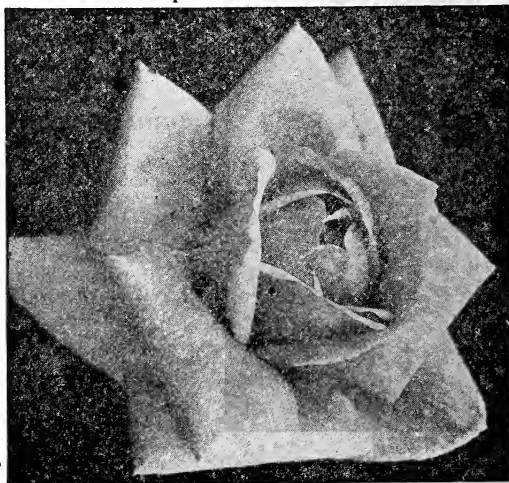
If the plants look wilted when received put them in lukewarm water for 15 or 20 minutes. Set the plants about 2½ inches deeper than they were growing before and press the soil firmly around the roots. Give them a good watering. Shade from sun and wind until they begin to grow.

like petals with silvery edges and enormous semi-full flowers of exceeding beauty. One of the very finest forcers and has become the type for a numerous family. Small 15c each; large 35c; postpaid.

**KILLARNEY BRILLIANT.** Newest member of its family and expected to push Killarney, its parent, off the field. Color varying from crimson-pink in winter to a bright, true pink in hot weather, brilliant throughout the year. As free a producer and a trifle stronger than the parent, with nearly double the petalage. First year's sales enormous. Small 25c each; large 60c; postpaid.

**KILLARNEY QUEEN.** A cerise pink sport from Killarney, unequaled for clearness and brightness of color, with petals larger than in the parent, and its perfect foliage likewise larger and more glossy. Small 20c each; large 50c; postpaid.

**WHITE KILLARNEY.** A pure white sport from the pink parent above described. Identical with the pink variety except in color. Small 15c each; large 35c; postpaid.



**Roses for 1c**  
**See Page 5**



**THE BRIDE.** (White Tea Rose). Flowers very large on long, stiff stems. They last a long time after being cut, making it one of the best for bouquets. Sometimes a pinkish white in hot weather but usually a pure white. **Small 15c each; postpaid.**

**BRIDESMAID.** Clear, shining pink, buds of exquisite shape; stems long and stiff; a profuse bloomer. A leader of pink forcing roses since 1893, and likewise an outdoor favorite. **Small 15c each; large 35c; postpaid.**

**CLOTHILDE SOUPERT.** A really wonderful Rose for bedding out or for pot culture; medium size and very double; white, shading to deep pink at center; a profuse grower and a strong dwarf grower, deliciously fragrant. **Small 15c each; large 35c; postpaid.**

**HERMOSA.** Popular for many years; cup-shaped, finely formed and full of flowers of soft, deep pink; ever-blooming, beautiful and hardy. **Small 15c each; large 35c; postpaid.**

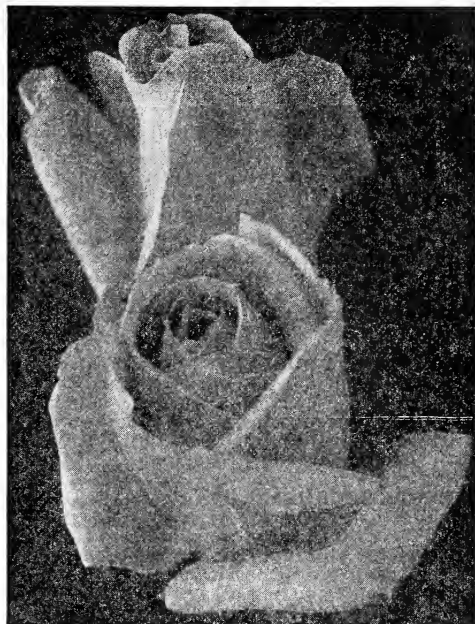
**METEOR.** Intense velvety-crimson, buds and blooms large, elegantly formed, fully double and borne on nice, long stems, with healthy, bright foliage of the deepest green. Brilliant and highly popular. **Small 15c each; large 35c; postpaid.**

**OPHELIA.** Brilliant salmon-flesh shaded with rose on outer edges of petals, with a heart of glowing peach-pink and orange-yellow blendings, all passing finally to lighter shades; fragrant as Richmond, faultless form in bud and flower; erect habit, stiff, long stems; free and continuous in growth and bloom; handsome, bright foliage; immune to mildew and black spot; possesses every requisite of a perfect forcing rose. **Small 35c each; large 75c; postpaid.**

**RADIANCE.** Brilliant rosy-carmine, shaded with rich opaline-pink tints in the open flower, which is large, full, of fine form, with cupped petals. A constant and fragrant forcer, producing strong, upright canes and an excellent keeper in summer. Seedling from Cardinal. **Small 15c each; large 35c; postpaid.**

**PINK SOUPERT.** Rose-pink in color; otherwise same as Clothilde Soupert; always in bloom. **Small 15c each; postpaid.**

**SUNBURST.** This magnificent giant yellow Rose is a fine forcer; it stands head and shoulders above all others of its color and will rank with American Beauty, and the Killarneys in value



RADIANCE

and grandeur. It has long, pointed buds, which can be cut tight for market. The color is orange-copper or golden-orange and golden-yellow; edge of petals lighter; all intense shades, extremely brilliant in effect. Some call the color cadmium-yellow. It makes no differences what you call its color, it is the yellowest of all roses in the ever-blooming class. Belongs in the class of big Roses; has created a sensation wherever shown. Yes, and something more must be said about this Rose. It puts all the yellows to sleep when it comes to bedding in the garden. The golden-yellow color stays right with the flower until it fully finishes. Better get acquainted with "Sunburst." **Small 25c each; large 60c; postpaid.**

**MAMAN COCHET.** Rich, rosy-pink, shaded silvery-rose on outer petals; exquisite in color and graceful in form from bud to bloom and delightfully fragrant; beautiful, healthy foliage and long, stiff stems. Unquestionably the queen of pink Tea Roses and a leading cut-flower variety. **Small 15c each; large 35c; postpaid.**

**WHITE MAMAN COCHET.** Identical with its parent, Maman Cochet, in everything except color. Has same freedom of bloom and magnificent form of buds and flowers and the same hardiness. Vigorous and hardy nearly everywhere. **Small 15c each; large 35c; postpaid.**



**NO CAUSE TO TRY OTHERS**

Crook Co., Wyo., Mar. 20, '16

Dear Sirs:

We have used your seeds and plants since coming on a ranch, ten years, and have always found them very satisfactory. Have never had any cause to try other firms.

Respectfully,  
MRS. W. H. NELSON.



# Hybrid Perpetual Roses

**AMERICAN BEAUTY.** (Mme. Ferd. Jamin.) Generally conceded to be the most grandly beautiful of Roses in size, form and color. Rich red, passing to crimson, very delicately veined and shaded and surpassingly fragrant. A hardy ever-bloomer and rapid grower. **Small 25c each; large 60c; postpaid.**

**BOULE DE NEIGE.** (Ball of Snow.) Pure white, showing light flesh upon opening; elegantly formed, very full and double, with beautifully shaped petals evenly arranged; hardy. **Small 15c each; large 40c; postpaid.**

**J. B. CLARKE.** Intense scarlet, shaded crimson-maroon, very dark and rich, and sweetly fragrant; petals large, deep and smooth; extremely high pointed center; foliage bronzy-green changing to dark green; growth strong and upright, making a large, handsome bush. **Small 15c each; large 40c; postpaid.**

**FRAU KARL DRUSCHKI** (The White American Beauty, or Snow Queen.) An everyday hardy, vigorous grower, with bright green leaves, delicately veined; splendid long buds and magnificent snow-white blooms with large saucer-shaped petals. Rightly named and deservedly a prize winner. **Small 25c each; large 50c; postpaid.**

**GENERAL JACQUEMINOT.** A celebrated and much sought after variety, both for planting out and pot forcing; shapely buds and handsome blooms of bright, shining crimson, rich, brilliant, velvety and fragrant. Everybody knows and wants the "Jack" for its all 'round' good qualities. **Small 15c each; large 40c; postpaid.**

**GRUSS AN TEPLITZ.** (Greeting to Teplitz, or Virginia R. Coxe.) Hardy in all sections; grows freely to a height of four to five feet; vivid, dazzling, fiery crimson; sweetly fragrant; produces a mass of gorgeous blooms on long stems. **Small 15c each; large 35c; postpaid.**

**HUGH DICKSON.** Brilliant crimson, shaded scarlet; very large and beautiful in form, with large, smooth petals, slightly reflexed on the edges. A vigorous grower, with handsome foliage; very fragrant. **Small 15c each; large 40c; postpaid.**

**MADAME PLANTIER.** A June Rose, well worthy of its long and continued popularity. Pure white, large and double; hardy as a forest tree; a free and continuous bloomer of the best white Hybrid Perpetuals, used extensively for ceme-



WHITE AMERICAN BEAUTY

tery planting. **Small 15c each; large 40c; postpaid.**

**MISTRESS JOHN LAING.** Beauty in clear, bright, shining pink; each bud in its long, serrated calyx with adjacent green foliage, forms a dainty and lovely boutonniere; immense, full bloom on long stiff stems; sweetly scented. **Small 15c each; large 40c; postpaid.**

**PAUL NEYRON.** The largest of all Rose blooms; bright, shining pink, clear and beautiful; very double and full; finely scented; blooms first season and all summer. Grows to a great height in a single season and stems are almost thornless. **Small 15c each; large 40c; postpaid.**

**PINK FRAU KARL DRUSCHKI.** (George Arends.) This is the wonderful "Pink Druschki." Do not confound it with the much inferior sort "Heinrich Munch," which is being offered in some quarters as "Pink Druschki." This Rose we predict will have as large a following and be as widely planted in a very few years as the now famous "White Druschki." We have looked it over in the field and grown it in pots for the market, and we absolutely cannot detect a single fault in it or about it.

The growth and make-up of the plants is superb, while the delicate pink color is unapproachable. **Small 35c each; large 75c; postpaid.**

**PRINCE CAMILLE DE ROHAN.** (La Rosiere.) Universally known as "The Black Rose." owing to its very deep, velvety crimson color, passing to intense maroon, and shaded black; large, handsome and fragrant blooms. **Small 15c each; large 40c; postpaid.**

**ULRICH BRUNNER.** Brilliant cherry-red flowers of immense size and bold globular form. Seedling of Paul Neyron, strong and disease resisting. **Small 15c each; large 40c; postpaid.**



GEN. JACQUEMINOT

See how to get Garden  
Seed Free Page 22



## Hardy Climbing Roses



BLUE RAMBLER

**BLUE RAMBLER.** Sport from Crimson Rambler and as vigorous a climber; produces immense panicles of blooms, opening reddish-lilac, changing to amethyst and steel-blue. A German novelty of recent introduction. **Small 15c each; large 35c; postpaid.**

**CLIMBING AMERICAN BEAUTY.** Seedling from American Beauty with an admixture of Wichuriana and Tea blood. Same as its namesake in size, color and fragrance, with the addition of the climbing habit. Better blooming qualities, good foliage, and has proven hardy and withstood heat and drought. **Small 20c each; large 50c; postpaid.**

**CRIMSON RAMBLER.** Most popular out-of-door climber of today; a rapid producer of long, heavy canes, reaching a height of ten to twenty feet in one season; rich clusters of bloom from a mass of vivid-crimson beauty until late in the season. Perfectly hardy in the most trying climates, being a native of Japan. **Small 15c each; large 35c; postpaid.**

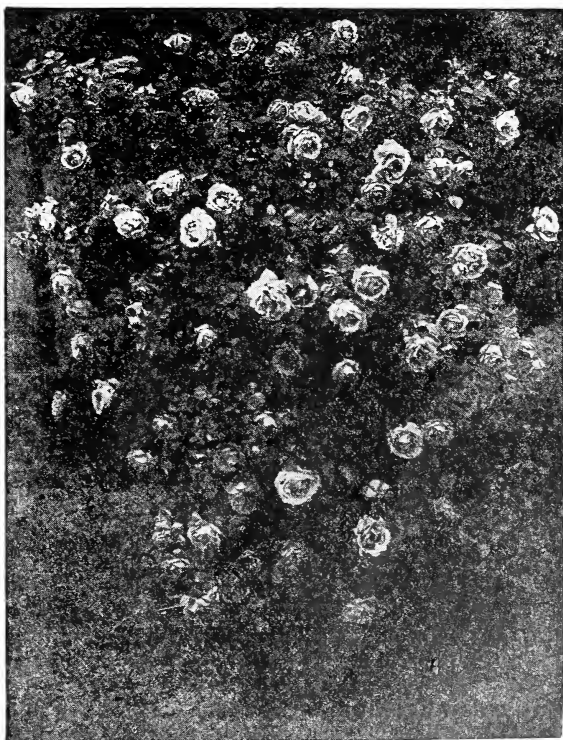
**DOROTHY PERKINS.** Beautiful shell-pink color which holds for a long time, fading finally to a lovely deep rose; very sweet-scented; fully equal to Crimson Rambler in foliage, hardiness, habit of growth and blooming qualities. **Small 15c each; large 35c; postpaid.**

**EXCELSA.** (Red Dorothy Perkins.) Intense crimson-scarlet; double flowers in brilliant clusters set in glossy, shining foliage which never mildews nor spots. An intensified Crimson Rambler, which it promises to displace. Extremely vigorous and the handsomest of all red climbers. **Small 20c each; large 40c; postpaid.**

**WHITE DOROTHY PERKINS.** Pure white sport from Dorothy Perkins, with which it is identical in foliage and habit. A valuable addition to the hardy climber class. **Small 15c each; large 35c; postpaid.**

**SHOWER OF GOLD.** Deep golden-yellow orange flowers borne in splendid trusses forming a mass of bloom. Extremely long laterals are densely clad with a beautiful Wichuriana foliage, the leaves on upper side a vivid, glossy green, the under side and stems a reddish-brown shot with a silvery sheen. **Small 20c each; large 50c; postpaid.**

**TAUSENDSCHOEN.** (Thousand Beauties.) Varying shades from a delicately flushed white to a deep pink or rosy-carmine, in bright clusters of blossoms almost covering the handsome pale-green foliage. A vigorous, hardy climber with few thorns, of German origin. **Small 20c each; large 50c; postpaid.**

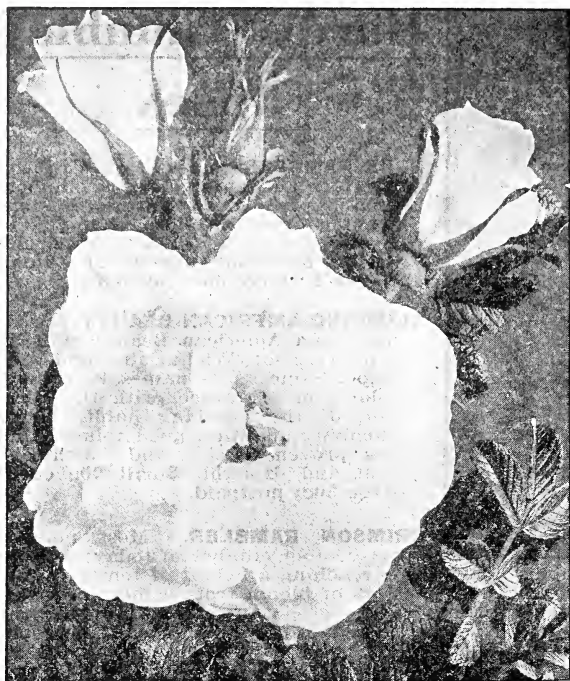


CLIMBING AMERICAN BEAUTY

## Polyantha or Baby Ramblers

**ANNA MULLER.** This rose is very much the same as Crimson Baby Rambler, except in the color of its flowers, which are a shiny, brilliant pink, produced in the greatest profusion in large clusters. It is a splendid companion to the other excellent members of this family. This is the original pink Baby Rambler. **Small 15c each; large 35c; postpaid.**





RUGOSA

**WHITE BABY RAMBLER.** Pure snow-white, double, blooms in profuse clusters, making a sheet of white color, with a fragrance similar to Hyacinths. Compact, bushy grower of dwarf habit; foliage dark, glossy and finely cut; ever-blooming and hardy. Small 15c each; large 35c; postpaid.

## Rugosa Roses

**CONRAD FERDINAND MEYER.** Pure, silvery-pink, surpassing all others of the Rugosa family in beauty of color and fullness of form; fragrant and hardy; will not mildew nor black-spot; handsome in foliage and valuable as an ornamental shrub. Large 50c each; postpaid.

**NEW CENTURY.** A grand Rose that is entirely hardy, bearing beautiful silvery-pink flowers in clusters. This Rose is in bloom all the time. Extra fine for cold climate. Small 25c each; large 60c each; postpaid.

**SIR THOMAS LIPTON.** The best pure white Rugosa Rose. Strong and vigorous; grows four feet high. Flowers perfectly double, pure snow-white. Fragrant, borne on stems continuously throughout the season. Absolutely hardy everywhere. Splendid for hedging, cemetery and park work. Small 25c each; large 60c; postpaid.

## Moss Roses

**MOUSSELINE.** Pure white flower, buds heavily and beautifully mossed. Small 25c each; large 50c postpaid.

**PRINCESS ADELAIDE.** Bright rosy-pink; large; double and fragrant; buds beautifully mossed. Small 25c each; large 50c; postpaid.

## Polyantha Roses Continued

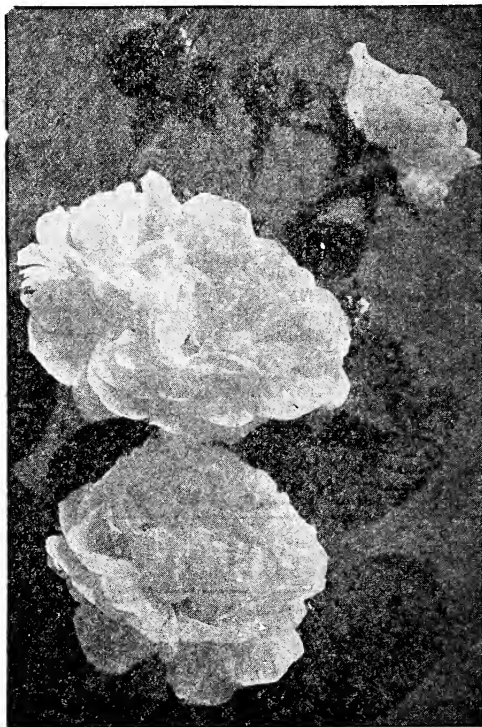
**BABY RAMBLER.** The Crimson Rambler in dwarf form, with same clear, brilliant, ruby-red color. Hardy and healthy everywhere, attaining a height of twenty inches, and blooming in profuse clusters until frost, and throughout winter if taken indoors. Small 15c each; large 35c; postpaid.

**BABY DOROTHY.** (Pink Baby Rambler.) A prolific producer of pure pink flowers, with all of the good qualities of Crimson Baby Rambler. Small 15c each; large 35c; postpaid.

**BABY TAUSENDSCHOEN.** This Rose was formerly named "Louise Welter." Flowers are large and so much like Tausendschoen that it has been rechristened "Baby Tausendschoen." It is a bush form of the "Climbing Tausendschoen" or "Thousand Beauties," having all the charm in the variable coloring in its flowers that its parent has, being firm white, delicately flushed pink, changing to deep rosy-carmine. This is a splendid Rose. Try it. Small 20c each; large 50c; postpaid.

**ERNA TESCHENDORFF.** Carmine-red sport from and fuller than Mme. Norbert Levavasseur, of fiery color similar to Gruss an Teplitz; never blues. Blooms from May to end of October. Claimed the newest and best of the Baby Rambler class; a medal winner. Small 20c each; large 50c; postpaid.

**GEORGE ELGER.** Golden-yellow buds opening to a deep clear yellow; growth upright. Very free flowering. Fine for massing and pot culture. This is the finest yellow Polyantha and should become as famous as Mlle. Cecile Brunner. Small 35c each; large 75c; postpaid.



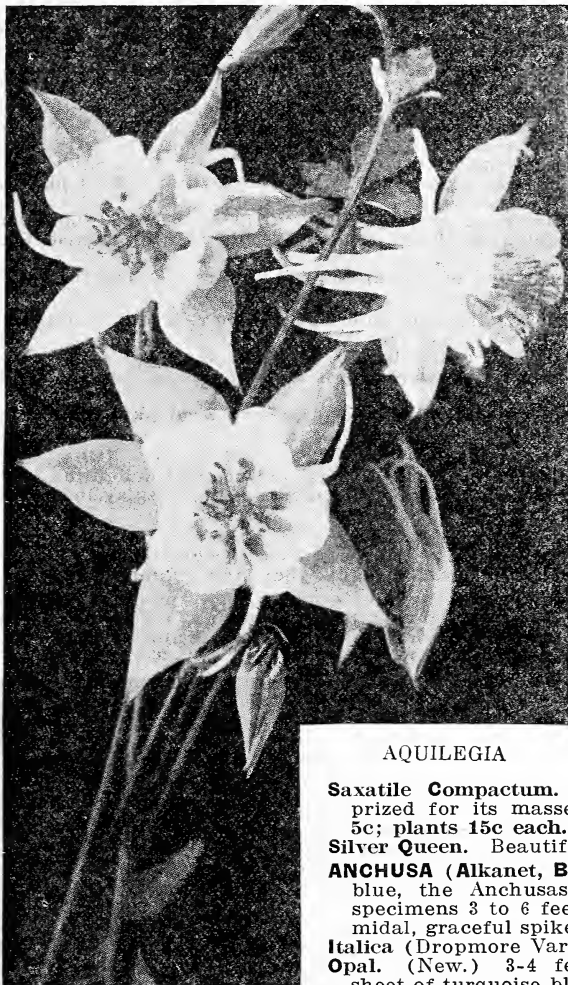
MOSS ROSE



## Hardy Perennial Plants

Plants of this class are perfectly hardy in the open ground; they die down to the ground, but only to the ground, in the winter; once planted they are a lasting pleasure. Failure with them is practically impossible. Orders should reach us by April 15th, though in some seasons we can continue to supply this stock up to May 1st.

**NOTE**—We can only supply perennial seed of varieties where it is listed.



AQUILEGIA

**Saxatile Compactum.** (Basket of Gold.) 1 foot. May-June. Greatly prized for its masses of brilliant golden yellow flowers. Seed pkt. 5c; plants 15c each.

**Silver Queen.** Beautiful pale lemon blossoms. Plants 15c each.

**ANCHUSA** (Alkanet, Buglos.) For producing a mass effect of brilliant blue, the Anchusas cannot be surpassed. They form branched specimens 3 to 6 feet high, each branch terminated by a large, pyramidal, graceful spike of blue flowers, the plant is strong and vigorous. **Italica** (Dropmore Variety.) 4-6 feet. Rich gentian blue. Plants 25c ea. **Opal.** (New.) 3-4 feet. Very beautiful variety, producing a solid sheet of turquoise-blue. Plants 25c each.

**Myosotiflora.** 1 foot. April-June. A very beautiful and distinct, new species from Russia, with clusters of charming blue flowers resembling forget-me-nots. Plants 50c each.

**ANEMONES** (Wind Flowers.) Very pleasing for herbaceous border. Fine large flowers. Excellent for bouquets and table decorations.

**Coronaria.** (Poppy Anemone.) 10 inches. June. Mixed colors. Seed pkt. 5c. Plants 15c; clumps 25c.

**AQUILEGIA** (Columbine.) The Columbines are one of the most elegant and beautiful of the hardy plants, producing their graceful spurred flowers on stems rising 2 feet or more above the beautifully divided foliage.

**Canadensis.** Handsome scarlet and orange flowers. Plants 15c each.

**Crysantha.** 3 feet. Bright yellow, long-spined flowers. Plants 15c each.

**Grandiflora Alba.** Large flowering, pure white, long spurs. Plants 15c each.

**Coeerulea.** (Rocky Mountain Columbine) 3 feet. One of the most beautiful of it class. Sepals, deep blue; petals white. Plants 15c each.

**Single Mixed.** Many shades and colors. Seed pkt. 5c; plants 15c each; large clumps 35c.

**ACHILLEA** (Yarrow Milfoil.) Free flowering plants of easy culture, well adapted for the mixed hardy border. The Achilleas are very hardy, and give a wealth of bloom the entire summer.

**Ageratum.** June-August. Yellow, very fragrant flowers. Seed pkt. 5c plants, 10c each.

**Boule de Neige.** (Ball of Snow.) 2 feet. June-August. An improvement on The Pearl; the flowers being of more perfect form with fuller centers. Plants, 20c each.

**Millefolea Rosca.** 2 feet. June-July. Large umbels of bright rose-colored flowers. Plants 15c each.

**Parmica.** fl. p. (The Pearl.) 2 feet. June-August. Pure white flowers borne in greatest profusion the whole summer on strong, erect stems, and of great value as a cut flower. Seed pkt. 5c; plants 15c each.

**ACONITUM** (Monkshood.) Handsome herbaceous plants with bold spikes of hood-shaped flowers, thriving in either shade or sun.

**Napellus.** 2½ ft. Aug-Sept. Rich dark blue flowers. Seed pkt. 5c; plants 25c each.

**Wilsonii.** 6 ft. A new variety from China, with fine spikes of deep blue flowers. Seed pkt. 10c; plants 25c each.

**ADLUMIA** (Mountain Fringe, or Allegheny Vinc.) 15 feet. Very desirable for its feathery foliage, which resembles the Maidenhair Fern. Delicate rose pink and white cover the plant the second year. Desirable for shade. Seed pkt. 5c; plants 15c each.

**AGROSTEMMA** (Rose of Heaven, or Mullein Pink.)

**Coronaria.** 1-2 ft. June-Sept. Flowers growing pink, coming in loose panicles of phlox-like blossoms. Fine for cutting. Seed pkt. 5c; plants 10c each.

**Flos Jovis.** Deep pink flowers on 12-inch stems. Plants 15c each.

**ALYSSUM.** (Madwort.)

**Saxatile Compactum.** (Basket of Gold.) 1 foot. May-June. Greatly prized for its masses of brilliant golden yellow flowers. Seed pkt. 5c; plants 15c each.

**ANTHEMIS** (Hardy Marguerite.)

**Tinctoria.** 2 feet. Handsome, finely cut foliage, and large, golden-yellow, daisy-like flowers. Plants 15c each.

**Kelwayi.** 18 inches. A paler variety of the above. Plants 15c each.

**ASTER** (Michaelmas Daisies.) Michaelmas Daisies now fill a most important place in all hardy flower gardens, with their masses and clouds of a dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

**A. Bessarabicus.** 2 ft. Very deep blue. Plants, 15c each.

**A. Grandiflorus.** 2 ft. Single blue and pink flowers of great size. Plants, 20c each.

**Parmicoids.** 1½ ft. Distinct, pure white flowers. Plants, 15c each.

**Townshendi.** 2 ft. Lilac-pink flowers, about 2½ in. across; free-flowering. Plants 15c each.

**Mixed varieties** in the finest array of sizes and colors. Seed pkt. 5c; plants 15c each; extra large clumps 35c; collection of 4 varieties 50c.





BLEEDING HEART

calyx which is of the same color as the flower, giving it the appearance of a cup and saucer. We furnish these in separate colors as well as in mixed. Rose, Pink, Blue and White. Seed pkt. 5c; plants, 15c each.

**Medium.** (Original Canterbury Bells.) The old-fashioned sort, with beautiful bell-shaped blossoms. We offer in four different colors or mixed. Dark Blue, Light Blue, Rose and White. Mixed. Seed Pkt. 5c; plants, 10c each.

**Persicifolia Grandiflora.** (Peach Bell.) Undoubtedly one of the finest bell flowers. Grows from 2 to 3 feet high. Large blue flowers. Plants, 15c each.

**CARNATION.** Popular favorites, which are deliciously fragrant colors extremely rich and beautiful, if protected will live out over winter.

**Margaret.** Dwarf habit, blooms in a few months from seed. Mixed. Seed pkt. 5c.

**Red Grenadin.** For yielding a quantity of double red flowers there is no outdoor carnation that can equal it. Seed pkt. 5c.

**White Grenadin.** Of good form and substance. Like the above except color. Seed pkt. 5c.

**Extra Choice Mixed.** Pkt. 5c.

**Mixed Plants,** 15c each.

**CENTAUREA (Hard Heads or Knap Weed.)** July until August. Of easy culture and delighting in an open, sunny position, producing a wealth of bloom which not only makes a fine display in borders but is excellent for cutting.

**Mixed Hybrids,** 15c each.

**DAISY (Giant Shasta.)** This is the largest of the Moon Penny Family and was originated by Burbank, who experimented extensively with this flower. Seed pkt. 5c; plants 15c; large clumps 25c.

**COREOPSIS (Lanceolata Grandiflora.** 2 to 3 feet. One of the most popular hardy plants. The flowers are of a rich golden yellow and of graceful form and invaluable for cutting. The main crop comes during the latter part of June but continues in bloom the entire summer and autumn. Will succeed in any soil. Seed pkt. 5c; plants, 20c each.

**Rosea.** 1 foot. Finely-divided dark green foliage bearing in August and September numerous small pink flowers. Very useful in the hardy border. Plants 20c each.

**BELLIS PERENNIS (Double English Daisy.)** April-June. 6 to 8 in. Admirably adapted for edges, borders and low beds and also well suited for growing in pots.

**Montrosa.** The new (Double) Daisy surpasses all of the strains of the popular hardy plants in strong, robust growth and abundance of large bloom. Each plant produces 12 to 15 flowers on long, strong stems and measure from 2 to 3 inches. The flowers are so very double they produce but little seed. We can furnish these in Pink and white. Plants 15c each.

**Mixed Hybrids.** Seed pkt. 5c plants 10c each.

**DICENTRA SPECTABILIS (Bleeding Heart.)** An old-fashioned favorite; its long racemes of graceful heart-shaped flowers are always attractive and is always at home in any part of the hardy border, and especially valuable for planting in the shade. Our stock of this perennial is the finest we have seen. Plants, 15c each; extra large clumps, 25c.

**DICTAMNUS (Gas Plant.)** A very showy border perennial about 2½ feet in height, bearing fragrant spikes of curious flowers during June and July. They require a heavy, strong soil and open, sunny situation.

**Fraxinella.** 3 feet. Showy rosy-pink flowers, with deeper rings. Plants, 15c each.

**Alba.** Pure white. Plants, 15c each.

**Caucasicus.** A gigantic form, which has recently been brought from Russia with flowers twice the size of the type. Plants, 25c each.

**DIGITALIS (Fox Gloves.)** A handsome and highly ornamental plant of stately growth, succeeding under almost all conditions and with but little attention will give a wealth of flowers during June and July. They require protection in winter. We furnish them in Purple, Rose, White, and Yellow. Plants, 15c each.

**Mixed Varieties.** Seed pkt. 5c; extra large clumps, 25c.

**OLD-FASHIONED LARGE FLOWERING HARDY CHRYSANTHEMUM**

We offer five fine large flowering varieties which have proven absolutely hardy in this latitude, having withstood the severe winters of 1911 and 1915 without injury.

**Autumn Glow.** Rosy crimson. Plants, 15c each.

**Golden Queen.** Yellow. Plants, 15c each.

**Old Homestead.** Pink. Plants 15c each.

**Victory.** White. Plants 15c each.

**Indian Red.** Plants 15c each.

**Mixed Seed,** pkt. 5c.

**BOCCONIA CORDATA (Plume Poppy.)** 4 to 6 feet. July-Sept. A handsome border plant having large, globular, heart-shaped leaves with silvery undersurface and flower plumes of pretty cream color. Seed pkt. 5c; plants 15c each.

**BOLTONIA (Falc Camomile.)** 4 to 6 feet. One of the showiest of our native hardy perennials, with daisy-like flowers in countless thousands in July to September. Very effective.

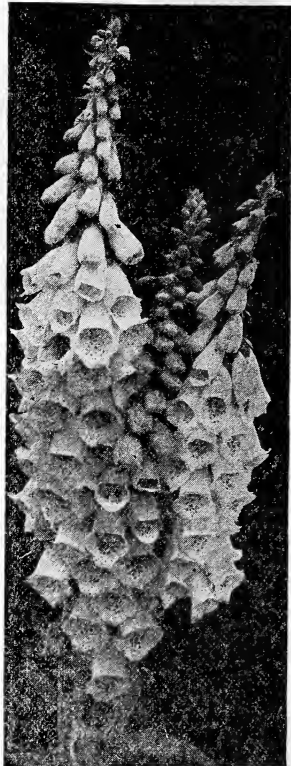
**Asteroides.** White. Plants 15c each.

**Latisquama.** Pink tinged with lilac. Plants 15c.

**CAMPANULA (Bell Flower.)** Bell-shaped flowers well-known and most easily grown. Equally useful for flower borders, shrubs or wild garden.

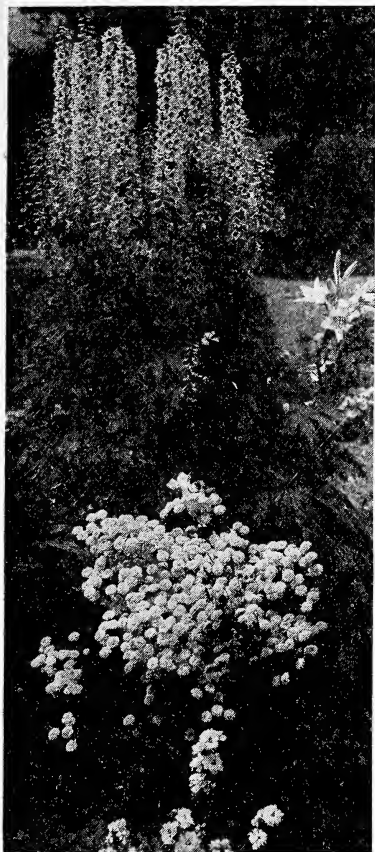
**Calycanthema.** (Cup and Saucer, or Canterbury Bells.) This is unquestionably the finest type of this old favorite and much-prized garden plant. They differ from the ordinary type in having an extra large

calyx, giving it the appearance of a cup and saucer. We furnish these in separate colors as well as in mixed. Rose, Pink, Blue and White. Seed pkt. 5c;



DIGITALIS





DELPHINIUM (Above)  
FEVERFEW (Below)

**DELPHINIUM (Hardy Larkspur.)** Few flowers are so handsome as the perennial Larkspur, which supplies our gardens with a wealth of blue that would be sadly lacking if it were not for these magnificent plants. No other flower combines so many varied shades of this lovely color, which is always the rarest in the garden. The soft azure of the For-Get-Me-Not, purple hues, are all represented and form a brilliant setting the rich blue of the Gentian, the deep Sapphire and royal for the small, white, gold or black centered petals, while over all is suffused a beautiful rose fringe impossible to describe. There are many species in cultivation, but the most desirable are the tall hybrids, of which we hold a large and up-to-date assortment, including the very newest.

**Formosum.** Beautiful spikes of blue flowers with white centers. Plants 15c each.

**Coelestinum.** Exquisite celestial blue with white centers. A most beautiful variety. Plants 15c each.

**Chinense. (Chinese.)** 2 feet. Pure blue in branching dwarf spikes. Plants 15c each.

**Album.** 2 feet. Pure white. Plants 15c each.

**Indigo. (New.)** 4 feet. Pure indigo blue. Plants 25c each.

**Elatum. (Bee Larkspur.)** 3 to 5 feet. Plants 25c each.

**Belladonna. (Everblooming Hardy Larkspur.)** This is the freest and most continuous bloomer of the hardy Larkspurs. The color—turquoise blue—of its flowers is not equalled for delicacy and beauty. A really exquisite variety. Plants 25c each.

**Mixed Seed only pkt. 5c.** We have many varieties not tested here; write for complete list.

**DIANTHUS or PINKS.** A magnificent genus representing some of the most popular flowers in cultivation, producing a great variety of brilliant color and profusion of bloom.

**Plumarium. (Grass Pink, or Pheasant-eye Pink.)** 12 inches. A beautiful sweet-scented single hardy pink with fringed white flowers and dark centers. Seed pkt. 5c; plants 15c each.

**Deltoides. (Maiden Pink.)** 9 inches. Masses of small deep rose flowers of neat creeping habits. Plants 15c each.

**Semperflorens (Everblooming Garden Pinks.)** 15 inches. Very beautiful sweet-scented, double, semi-double and single flowers in great diversity of color. Plants each 15c.

**Cyclops. (Clove Pinks.)** 12 to 18 inches. An exquisite mixture of colors, large free flowering. Plants 15c each.

**Mixed Colors.** Seed pkt. 5c; extra large clumps, 25c each.

**DIANTHUS BARBATUS (Sweet William.)** The varieties we offer are an improvement on the old-fashioned kinds, inasmuch as the colors and size of the flowers are very superior, being grown from select seed. Sweet William looks well in

solid beds or masses and requires a good, rich, well fertilized soil to grow them to perfection. Excellent border plants and fine for cutting.

**Double White.** Plants 15c each.

**Double Blood Red.** Plants 15c each.

**Single Varieties.** Plants 15c each.

**Diadematus.** One of the prettiest, flowers rose, spotted and speckled with white. Plants 15c each.

**Roseus. (Pink Beauty.)** Flowers pink. Plants, 15c each.

**Altrosanguineus.** Blood red. Very fine. Plants 15c each.

**Albus.** Pure White. Plants 15c each.

**Johnson's Giant.** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Plants 15c each.

**Nigrescens.** The very darkest sort that we know of. Plants 15c each.

We have a very fine mixture of seed saved from the above named sorts. Pkt. 5c.

**FEVERFEW (See Matricaria.)** Page 92.

**FUNKIA (Blue and White Day Lily.)** These handsome, hardy, herbaceous plants develop their ornamental foliage early in the spring, and in the summer and autumn throw up a profusion of lily-like flower spikes that succeed either in sun or shade, but the foliage will grow to larger size in partial shade. They are very effective in formal border. We offer a very fine collection.

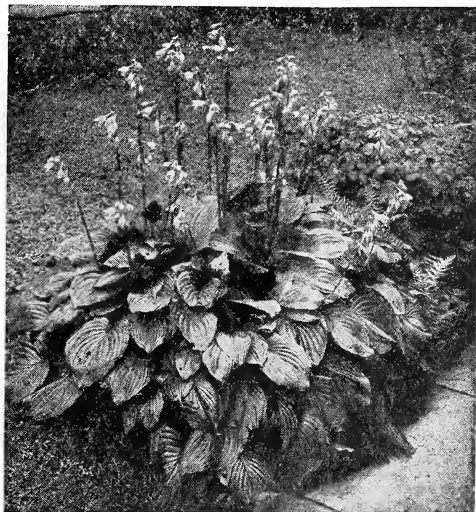
**Cucullata Medio Picta.** 4 ft. August. Rich purple flowers. Plants 20c each.

**Fortunei.** 12 ins. August. Glauous blue foliage, flowers pale mauve. Plants 20c each.

**Subcordata Grandiflora Alba.** Large spikes of new white fragrant flowers. Plants 15c each.

**Sir Thomas Hogg.** 12 ins. With large foliage elegantly margined white. Plants 25c each.

**Undulata Medio Variegata.** 12 ins. Silvery white, lined green. A very ornamental foliage plant. Plants 25c each.



FUNKIE ALBA



**GAILLARDI (Blanket Flower.)** 2 feet. June to October. The flowers are often 4 to 5 inches across, colored in a great diversity of varieties and blendings, including such combinations as scarlet with gold edge, blood red with yellow edge, yellow with orange disk, golden with scarlet border, pure yellow, fiery crimson and others. These hardy perennials are of compact growth and produce a succession of flowers all summer and fall. For cut flowers they will last in water for days.

**Maxima Kermesina Splendens.** Center crimson, with canary yellow border. Plants, each 15c.

**Newest Hybrids Mixed.** Including the finest of these choice flowers. Seed pkt. 5c; plants, 15c each.

**GYP SOPHILA (Baby's Breath.)** Graceful for hedges and border work.

**Paniculata.** 2 ft. July-August. Small flowers on branched stems so thick as to give the plant a lace-like effect. Seed pkt. 5c; plants, 15c each.

**HELENIUM (Sneezewort.)** The varieties we offer are excellent for border plants and succeed in any soil, producing great clusters of broad, spreading panicles and useful for cutting, having a very long blooming season.

**Riverton Beauty.** 4 ft. Rich lemon yellow with large purplish-black cone from August to September. Plants, each 15c.

**Riverton Gem.** 4 ft. Old gold, changing to wall flower red. Plants, 20c each.

**Hoopesii.** 2 ft. May-July. Rich golden yellow. Plants, 15c each.

**HERMEROCALLIS (Yellow Day Lily.)** These popular hardy plants belong to the lily family. They succeed everywhere, and should always be included in the border of old-fashioned hardy flowers.

**Aurantiaca.** Orange lily. Plants, each 25c.

**Citrina.** Pale citron-yellow flowers. Plants, 35c each.

**Dr. Regel.** Broad-petalled rich orange flowers. Plants, 30c each.

**Flava.** Pleasing pale yellow. Plants, 15c each.

**Fulva.** Showy coppery red. Plants, 15c each.

**Kanso.** fl. pl. Beautiful double orange flowers. Plants, 15c each.

**Sovercign.** Clear yellow, outside shaded chocolate. Plants, 25c each.

**HESPERIS (Sweet Rocket.)** 1½ ft. Sometimes called Dame's Violet.

Producing clusters of pink and white four-petaled flowers which are very fragrant during the evening. Seed pkt. 5c; plants, 15c. ea.

**HOLLYHOCK.** 6 to 8 ft. Aug.-Sept. One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not attainable with any other plant. For planting among shrubs or forming a background for other flowers it is without equal. Seed sown any time before mid-summer will produce plants that will bloom the following year; but to get immediate results the first year it will be necessary to get year-old plants. We offer a very choice collection in both the seed and plants.

**Double Varieties.** White, Crimson, Dr. Faust (Black), Salmon, Deep Rose, Blood Red, Yellow, White with Pink Center. Seed pkt. 5c; plants, 15c each.

**Double Mixed.** (Charter Superb.) Seed pkt. 5c.

**Single Varieties Mixed.** Seed pkt. 5c; plants 15c each.

**Allegheny Mixed.** Seed pkt. 5c; plants, 15c each.

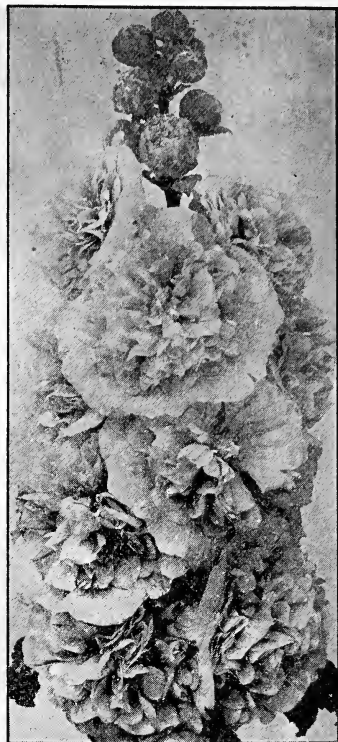
**HIBISCUS (Rose Mallows).** 3 to 5 ft. July to Sept. Noble shrub-like plants with handsome green foliage and bearing throughout the summer large, bright flowers varying from 4 to 9 ins. in diameter. They are very hardy and suitable for background effects.

**Crimson Eye.** Creamy white flowers with large crimson center. Plants 15c each.

**Golden Bowl or Grand Yellow.** Rich deep cream, with a velvety maroon center. These flowers many times are 9 ins. in diameter. Seed pkt. 5c; plants 15c each.

**Moscheutos.** (Rose Mallow.) Very showy rose-pink flowers. Seed pkt. 5c; plants 15c each.

**Mallow Marvcls.** Come in Red, White, and Pink Mixed. Flowers immense size. Seed pkt. 5c; plants 20c each.



HOLLYHOCK



GAILLARDIA GRANDIFLORA

FLOWER SEED COLLECTION

SEE PAGE 42



**LATHRYUS** (Hardy Sweet Pea). Showy free-flowering Hardy Perennial Climber for covering old stumps, fences, etc. Continually in bloom. Very fine for cutting.

**Latifolius Albus**. White. Plants 15c each.

**Pink Beauty**. Plants 15c each.

**Rubra**. Bright rosy crimson. Plants 15c each.

**White Pearl**. New. Large sprays of the purest white flowers. Plants 25c each.

**LINUM** (Perenne). Pearly blue flowers. A graceful hardy perennial. Plants 15c each; postpaid.

**Album**. Milk white flowers very decorative. Plants 15c each; postpaid.

**LOBELIA** (Cardinal Flower). 2 ft. July to October.

**Cardinalis**. Rich fiery cardinal flowers; strong plants, often producing 10 to 18 spikes, 24 to 30 inches long. Plants 15c each; postpaid.

**LYCHNIS**. (Rose Campion.) Handsome hardy perennial plants of easy culture for massing in beds and borders; bloom the first year if sown very early.

**Chalcedonica**. Brilliant scarlet ivory and white. Seed pkt. 5c; plants, 15c each; postpaid.

## Phlox

Among perennial plants no class is of more importance than the phloxes, succeeding in almost any soil and position, and flowering through a long season; and while they continue in good condition and flower freely for many seasons without any attention, yet they respond quickly to and are improved by liberal cultivation. They bloom from July to late in the autumn and produce most brilliant effects when massed. The varieties we offer we consider the choicest that can be had. We call special attention to some of the newest varieties which we have included in our list this year.

**ATHIS**. Clear salmon. Some claim this to be the showiest variety in cultivation. 15c each; postpaid.

**AFRICA**. Brilliant carmine-purple, dark blood red center, 25c each; postpaid.

**BALZAC**. Bright lilac-rose with a large blood-red eye. 25c each; postpaid.

**BOULE DE FEU** (Ball of Fire). Brilliant, glowing red with dark green foliage. 20c each; postpaid.

**BRIDESMAID**. Tall white with large rose-crimson center. 15c each; postpaid.

**CHAMP'S ELYSEE**. A bright rosy magenta; very effective. 15c each; postpaid.

**COCQUELICOT**. A fine pure scarlet with large truss; the color is really orange scarlet; it is entirely unlike any other shade of color in phloxes. 15c each; postpaid.

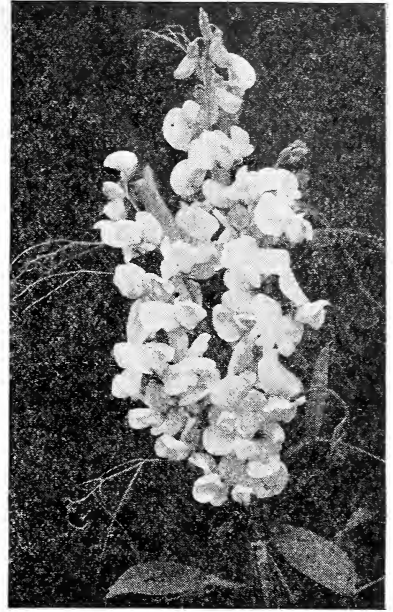
**COMTE UNGER STERNBERG**. White ground overlaid with carmine-rose; deep crimson eye; very large flowers, extra fine. 20c each; postpaid.

**ECLAIREUR**. Clear rosy-red, with lighter large center; large florets and a magnificent bedder. 15c each; postpaid.

**EUROPA**. A new variety. A very large, perfectly formed white flower, with crimson eye, fine shaped trusses, 15c each; postpaid.



HIBISCUS



LATHYRUS, LATIFOLIUS

**GOLIATH**. A new distinct variety of attractive appearance; is of gigantic growth producing large trusses with flowers of brilliant color with dark carmine-red center. A decided acquisition in flowers. Very early. 25c each; postpaid.

**GRUPPEN KOENIGIN**. Pure flesh color, rose with a carmine eye. 20c each; postpaid.

**GUSTAVE NADUD**. Gray mode deepening toward the center; yellow eye. 25c each; postpaid.

**JEANNE d'ARC**. Very late; white. 15c each; postpaid.

**LeMAHDI**. Metallic, plush violet; fine large trusses; individual flowers very large. 25c each; postpaid.

**LOKI**. New. Salmon-pink dark carmine eye. 25c each; postpaid.

**MISS LINGARD**. Pearly white flower, with a very faint, pink eye; very remarkable bloomer, producing two or three crops of flowers during the season. 15c each; postpaid.

**PANTHEON**. Deep salmon rose. Very fine. 20c each;

**RICHARD WALLACE**. Pure white, with violet-rose eye; large flowers in immense panicles. Too much cannot be said of this variety. 15c each; postpaid.

**RIJNSTROOM**. New. Immense trusses with blooms larger than a silver dollar. Beautiful clear pink. Extra fine. 25c each; postpaid.

**SELMA**. Large trusses of very large pink flowers with cherry red eye; choice. 20c each; postpaid.

**SNOWDON**. Pure snow white. This variety together with Miss Lingard come in bloom about a month earlier than the other sorts. 20c each; postpaid.

In most of these varieties we can furnish extra large clumps for one-half more. Seeds mixed, pkt. 5c.



# IRIS

## GERMANICA

The Irises have generally been overlooked. They are one of the most beautiful and exquisite flowers we have. They are perfectly hardy in our climate and multiply very rapidly.

Put the Iris in a sunny place where, if possible, they will have some building or hedge to protect them from the wind. Ground should be rich and well supplied with water. Spade the earth deep and plant the roots 18 inches apart, covering them two inches and give good cultivation. We have a very choice collection of Iris and have taken special care to see that varieties are true to name.

NOTE—For convenience we will use "S" to indicate standards or upright petals, of the flowers and "F" the falls, or drooping petals.

**AGNES.** S. White frilled with shaded lilac; F. white traced with lilac at the base or claw. A very beautiful variety. 15c.

**BLACK KNIGHT.** A rare and beautiful new Iris. S. intense deep violet blue. F. Velvety purple, exceedingly rich and striking. Very late bloomer, scarce. \$1.00.

**CANARY BIRD.** S. Bright yellow. F. Deeper yellow with orange beard. 25c.

**CHALCEDONIA.** S. Light mauve. F. Purple, heavily veined. 15c.

**CREAM.** A fine cream color.

**DARIUS.** S. Rich canary yellow. F. Lilac, margin white, rich orange beard. One of the most distinct and beautiful. 20c.

**FAIRY.** White, delicately bordered and suffused with soft blue; beautiful. 25c.

**FLORENTINA ALBA.** Porcelain, changing to pure white, 15c.

**FLORENTINA BLUE.** Very fine pale blue. 15c.

**GERMAN IRIS.** The Iris so commonly seen. Often called Flags. Blooms in great profusion during June and July. Price 15c each; 6 for 75c.

**GYPSY QUEEN.** S. Old gold, shaded with smoked pearl. F. Black maroon, reticulated with light yellow. Late bloomer. 15c.

**HONORABILIS.** S. Golden. F. Rich maroon brown and very effective. 15c.

**IRIS KING.** S. Clear lemon yellow. F. Rich maroon, bordered yellow. A beautiful new Iris obtained by crossing Maori King with Iris Pallida, combining the brilliant colors of the former with the large flowers and tall growth of the latter. 50c.

**KHARPUT.** S. Violet. F. velvety purple; very large, handsome flower. 25c.

**KHEDIVE.** Clouded lavender veined at the base. Inner petals light lavender, flecked with white. 15c.

**LADY JANE.** S. Coppery rose. F. Madder red, reticulated white. 25c.

**MADAM CHEREAU.** White, elegantly frilled with wide border of clear blue; tall. One of the most beautiful. 15c.

**MAORI KING.** S. Golden yellow. F. Velvety maroon, margin gold. 30c.

**MARMORA.** S. Sulphur and fawn. F. Crimson purple, margin lavender. 15c.

**MONHASSEN.** S. Lively yellow standards. F. Brown with wide yellow border. 25c.

**MRS. H. DARWIN.** New. Pure white. F. Slightly reticulated violet at the base. Very beautiful and free blooming. Early. 15c.

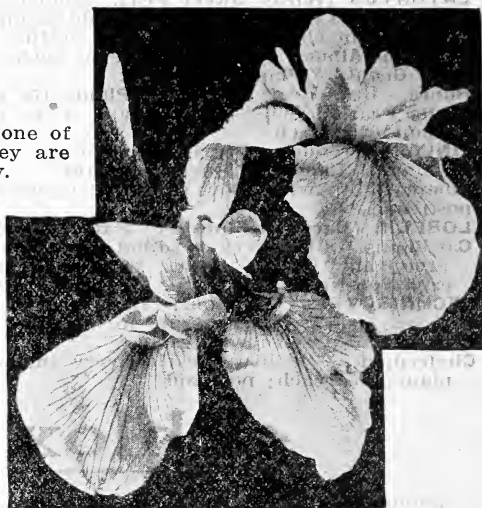
**QUEEN EMMA.** Pure white, faintly flushed blue, long tapering stem and very long falls. Possesses a pleasing fragrance. 25c.

**QUEEN OF MAY.** A lovely shade of rosy pink, tinted with violet.

**SHAKESPEARE.** S. Bronzy yellow. F. Maroon, reticulated yellow. 15c.

**SANS SOUCI.** Standards golden yellow, falls rich mahogany brown; very effective. 15c.

**SIBERIAN BLUE.** Probably the finest blue flower on earth. The stems are long and as the flowers last a long time in water, they are excellent for cutting. 15c.



JAPANESE IRIS

**SIBERIAN WHITE.** Same as above only a clear white. 15c.

**SILVER KING.** Creamy white, faintly flushed lavender. 15c.

**SNOW QUEEN.** Large ivory white flowers. Another beautiful new variety brought from Japan. 25c.

**STENOPHYLLA.** S. Pale blue with indistinct stripes. F. Darker, tall growing. 15c.

## PAILIDAS

The Pailida varieties are very very tall, strong bloomers, with wide foliage, highly ornamental at all times. They have the largest flowers of all and are very sweet scented. Very handsome shades of blue, lavender and purple.

**CELESTE.** Pale azure blue. Very fine. 25c.

**DELECATA.** S. Pale lavender. F. White, delicately traced and tipped with lavender. 15c.

**DELMATICA.** S. Fine lavender. F. Clear deep lavender. Flowers very large and extra fine. A superb variety for planting in masses and for cut flowers. The true type is scarce. 35c.

**FOLLIS ARGENTEA.** New. Flowers of soft pale blue, foliage beautifully variegated gold and silver. 50c.

**FOLLIS ARGENTEA (Variegated).** New. Foliage beautifully variegated, silvery white. Flowers blue. 75c.

**GLORY OF HILLEGOM.** S. and F. clear light blue. 35c.

**HER MAJESTY.** New. S. A lovely rose pink. F. Bright crimson, tinged a darker shade. A most beautiful variety. 35c.

**JUNIATA.** S. and F. Clear blue, deeper than Delmatica; large fragrant flowers. The tallest of all the beardless iris, with unusually long drooping foliage. 75c.

**KHEDIVE.** Beautiful soft lavender, with distinct orange beard. 15c.

**LOENIDAS.** S. Clear Mauve. Large and of fine form.

**MADAM PAQUITTE.** Bright rosy claret. Very handsome, 3½ feet tall. 25c.

**MANDRALISCAE.** Rich lavender purple, large and handsome. A very early, tall variety. 25c.

**PLUMERI.** S. Coppery rose. F. Velvety claret. Tall, free bloomer. 25c.

**QUEEN OF MAY.** A lovely soft, rose lilac, almost pink. Beautiful. 15c.

**TINEAE.** Deep blue, shaded lilac. Fine large flowers. 25c.

**IRIS KAEMPFERI (Japanese Iris).** These magnificent iris are among the most beautiful of all our summer flowering plants. The flowers rival orchids, some measuring 10 to 12 inches in diameter. Unnamed varieties 12c each; 60c half doz. Very choice named varieties in every color. 25c.



## Peonies

Especially the modern introductions are probably the most valuable and the most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds, or bordering lawns, or shrub rows, they give a grand display of large, fragrant blossoms during June, followed by their exquisite foliage which is very ornamental during the summer months. They are most effective for home and table decoration, and last longer in water than many other perennials. We advise not buying the cheaper varieties as they require as much care as the better kinds and are usually disappointing in the end. We use the blossoms from them each spring to supply our local trade with cut flowers. This year we have imported some very fine new varieties from Holland and would like to have our customers try some of them as they are the best that can be obtained anywhere.

**ANEMONEA FLORA RUBRA.** Good size, deep brilliant rose, carpels dark crimson; strong grower, tall free bloomer. 50c each; postpaid.

**ANDRE LAURIES.** Light red, prolific and beautiful. 30c each; postpaid.

**ASA GRAY.** Pale lilac sprinkled with minute dots of deeper lilac. A very distinct variety. \$1.00 each; postpaid.

**COURONNE D'OR.** Large flat semi-rose type; pure white with rings of yellow stamens around the tuft of center petals tipped with carmine; medium tall, strong grower and free bloomer; late; one of the best. 50c each; postpaid.

**DOC D'CAZES.** Dark pink with silver collar; very fragrant; spreading habit, free bloomer; early. 50c each; postpaid.

**DOC DE WELLINGTON.** Large globular shape with white guards, sulphur center. Medium height and vigorous grower. 50c each; postpaid.

**DUCHESSE NEMOURS.** Pure white crown with sulphur white color, very fragrant, vigorous grower, very free bloomer. Early, comes a day or two later than Festiva Maxima. Has a high commercial value. 35c each; postpaid.

**EDULIS SUPERBA.** Large flat crown, bright mauve-pink color mixed with narrow circles of lilac around the collar; fragrant. Early, strong upright, free bloomer. The very best for Decoration Day. 40c each; postpaid.

**FELIX CROUSSE.** Large globular brilliant red flowers. A strong, vigorous grower of medium height. One of the best varieties. 75c each; postpaid.

**FESTIVA MAXIMA.** This is not only the finest white in existence, but may be regarded as the queen of all the peonies. A grand cut flower variety, coming in bloom usually for Decoration Day. 50c each; postpaid.

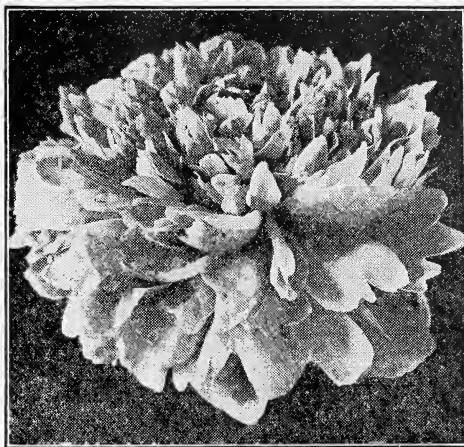
**GOLDEN HARVEST.** A most striking variety, producing large, tri-colored blooms. The guard petals are bluish pink with creamy white center. It combines cream, gold, white, pink, salmon, peach and apricot. The total color effect of the flower being creamy-pink; strong, delicate fragrance. 50c each; postpaid.

**GRANDIFLORA ALBA.** Early standard sort. Opens straw color, fading to pure white. Tuft in center sometimes marked with carmine. Often sold for Festiva Maxima. 30c each; postpaid.

**GRANDIFLORA ROSEA.** Very fine, fragrant rose pink. Of the hardest and independent to late frosts. 30c each; postpaid.

**HUMELI.** Immense late cinnamon scented flower of varnished pink. 30c each; postpaid.

**JEANNE D'ARC.** Large globular bomb-shaped flowers; guards pale lilac-rose, collar cream-white shaded with sulphur. Mid-season. 50c each; postpaid.



**LA SUBLIME.** A very striking flower of deep, rich crimson color. A sure bloomer. 40c each; postpaid.

**L'ESPERENCE.** Very early; a great favorite; rosy pink; free flowering. 30c each; postpaid.

**LOUIS VAN HOUTTE.** Deep carmine-rose tipped silver with fiery reflex, very brilliant coloring. Late flowering. 35c each; postpaid.

**MARECHAL VALLIANT.** This is the old Grandiflora Rubra. A large, light red-colored flower. 35c each; postpaid.

**MONSIEUR DUPONT.** Semi-rose type, mid-season. Very large, well-built, cup-shaped bloom, ivory-white; center petals bordered with a tracing of lively carmine and lit up with golden stamens at base of petals. A truly royal flower. 75c each; postpaid.

**MONSIEUR JULES ELIE.** Very large, compact, high crown, pale lilac-rose collar shading amber; yellow at the base. Very fragrant. Strong grower, early flowering, extra fine variety. \$1.00 each; postpaid.

**MONSIEUR KRELAGE.** Large, compact semi-rose type; dark salferino red with silvery tips. Free bloomer. Late. 75c each; postpaid.

**MARY CROUSSE.** Very large flowering; uniform pale lilac-rose. Tall, erect, strong grower and free bloomer. Probably one of the best of the new varieties. \$3.00 each; postpaid.

**OFFICINALIS ROSEA SUPERBA.** The earliest flowering. The large flowers are of very soft pink. 75c each; postpaid.

**OFFICINALIS RUBRA PLENA.** Large globular blooms; brilliant crimson. This is the early flowering red peony so common to the old-time gardens; much used on Decoration Day. 75c each; postpaid.

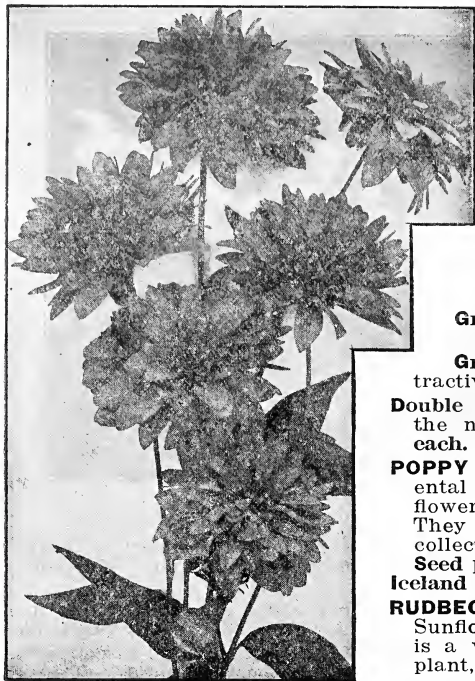
**PRESIDENT ROOSEVELT.** Very large, robust flowering. Dark red; one of the finest of its color. 50c each; postpaid.

**PRINCE IMPERIAL.** Brilliant purplish scarlet; one of the good medium priced reds. 50c each; postpaid.

**QUEEN VICTORIA.** Milk-white guards tipped flesh color, center cream-white with crimson spots. A strong, free bloomer. A very distinct variety. 50c each; postpaid.

**SOLFATARE.** Milk-white guards; with sulphur colored center, fading to sulphur-white. The nearest approach to yellow that has been reached in the work on the peony. A decided acquisition to your collection of peonies. This variety is very distinct and desirable. 75c each; postpaid.





GOLDEN GLOW

6 to 8 feet and producing masses of double golden yellow cactus dahlia-like flowers from July to September. An effective sort. 15c each; postpaid.

**Purpurea. (Giant Purple Cone Flower.)** A most interesting, hardy perennial, producing all summer large, showy reddish-purplish flowers about 4 inches across with remarkably large cone-shaped center of brown; thick set with golden tips of spireal lines. Makes a fine cut flower. Hardy as an oak. 15c each; postpaid.

The flowers are a glistening white with dark, and most excellent for cutting. Blooming from August to September. Plants 20c each.

**Double Mixed.** Extra choice double flowering variety. Selected and grown from the finest hybrids. Plants, 25c each.

**Roseum Hybridum (Single Mixed).** Crown from a choice strain of seed from the originators of new varieties. Seed pkt. 5c; plants, 20c each.

**SWEET WILLAM** (See *Dianthus Barbatius*), page 87.

**TRITOMA** (Torch Lily, or Red Hot Poker). A handsome, showy border plant. Flowers borne in compact form on stout 3 to 4 foot stems, having the appearance at a distance of orange and colored spear heads. Requires protection during winter unless in very sheltered position. A good plan is to take up the roots and store them in the basement during the winter. This flower is a rare beauty and will greatly repay you for what little trouble it may cause.

**Grandiflora.** New Mixed Hybrids. Large plants, 25c each; postpaid.

**YUCCA FILAMENTOSA** (Adam's Needle). Among the hardy ornamental foliage plants this may be classed at the head of the list. Broad, sword-like foliage from 5 to 6 feet tall; branched spikes of large, fragrant, drooping, creamy-white flowers during June and July make it an effective plant for all positions. 25c each; postpaid.

**MATRICARIA** (Feverfew).

**Little Gem.** 1½ to 2 ft. A most useful summer-cutting flower with very double white flowers from June to October. Seed pkt. 5c; plants, 15c each.

**MYOSOTIS** (Forget-Me-Not). It flourishes best in a moist, shady situation. Bright blue. Seed pkt. 5c; plants, 15c each.

**PINKS** (See *Dianthus*) pages 64 and 87.

**PLATYCODON** (Balloon Flower, or Japanese Bell-flower).

They form large clumps and are excellent for planting in permanent borders or among shrubbery. They are also free from attacks of insects, which makes them very desirable hardy garden plants. They should be given a slight protection of leaves or mulch during the winter.

**Grandiflorum.** 2 to 3 ft. Large, handsome, deep blue flowers. Seed pkt. 5c; plants, 15c each.

**Grandiflorum Album.** Large pure white flowers, very attractive. Plants, 15c each.

**Double Blue and Double White.** These two varieties are among the newest acquisitions of the perennial border. Plants, 25c each.

**POPPY** (Oriental). 2 to 3 feet. For gorgeous coloring the Oriental Poppies have few rivals among the hardy plants. The flowers are immense and often measure 6 inches or more across. They are also grand cut in bud state for vases. We offer a fine collection ranging in color from light salmon to dark maroon. Seed pkt. 5c; plants, 25c each.

**Iceland Poppy.** Mixed seed. Pkt. 5c.

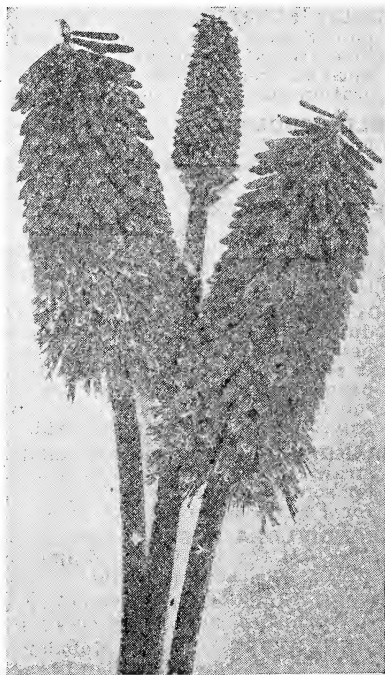
**RUDBECKIA** (Cone Flower). Somewhat resembling the Perennial Sunflower but having a more graceful and refined flower. It is a valuable ornamental, late summer and autumn flowering plant, and very valuable for cutting.

**Laciniata.** fl. pl. Golden Glow A well known, popular plant of strong, robust growth, attaining a remarkable height of from

**POLEMONIUM** (Jacob's Ladder). It takes its name from the regular arrangement of Pinnate leaflets upon the stem. Has large-lobed, bell-shaped flowers of pale blue. Seed pkt. 5c.

**PYRETHRUM.** One of the most valuable of our summer flowers. It has charming shades of color and wonderful lasting properties as a cut flower. They flower in May and June and frequently in August and September.

**Uliginosum Stellatum.** 3 to 4 ft. Very large giant daisy-like flowers in great profusion.



TRITOMA

## Bee Supplies

We list a few Bee Supplies on pages 119-120. Send for our complete catalog. We handle a complete line of the A. I. Root supplies.



# Hardy Lilies

With the exception of Lily Candidum, which seems to prefer an open position, most lilies thrive best when planted in a semi-shaded position where the ground can be kept cool and moist by the protection of shrubs and a carpet of lawn grass. Planted among shallow-rooting perennials they find a congenial setting both as to soil and shelter. The bulbs should be planted from 6 to 8 inches deep with a little sand or moss under the base of each bulb. Candidum Superbum and Tigrinum we can supply early from home-grown stock. The varieties coming from Japan we can seldom supply until the end of November, but can ship immediately upon their arrival here.

**LILIUM CANADENSE.** Wild yellow lily. Flowers vary in color—red and yellow. Grows 2 to 5 feet high, and is a most hardy species. Nice to plant among shrubbery and does quite well in shade. June and July. 15c each; \$1.50 doz.; postpaid.

**LILIUM LONGIFLORUM.** Pure white, trumpet-shaped, flowers in June or July, very hardy. Can also be grown as a pot plant. Bulbs 25c each; \$2.50 doz.; postpaid.

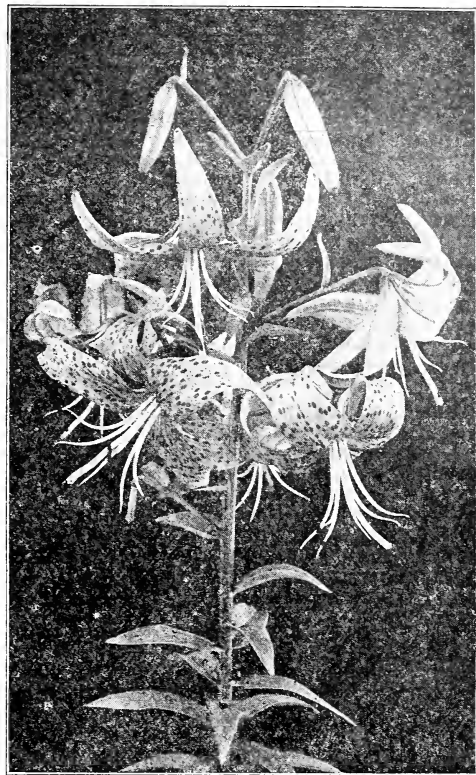
**LILIUM SPECIOSUM MELPOMENE.** Words cannot describe the beauty of this variety. Frosted white, spotted, clouded, and bordered with pinkish crimson. Petals deeply recurved and widely bordered. 35c each; \$3.50 doz.; postpaid.

**LILIUM SPECIOSUM MAGNIFICUM.** Rich Crimson. The finest colored of all Speciosums. 25c each; \$2.50 doz.; postpaid.

**AURATUM.** (Gold Banded Lily.) Very large, white spotted crimson with broad yellow bands. 20c each; postpaid.

**CANDIDUM.** One of the best hardy lilies. Flowers pure white, large and of delightful fragrance. Blooms in June. 15c each; postpaid.

**ELEGANS.** Perfectly hardy and will succeed in most any position. Flowers large and showy, bright red, flushed orange. 1½ feet high. Blooms in June and July. 15c each; postpaid.



TIGRINUM

**LILY OF THE VALLEY.** Bearing slender stems set with tiny white bells, delightfully fragrant, do well in shady situations. Flower each season without any attention. 6c each; 3 for 15c; 40c per dozen; postpaid.

**SPECIOSUM RUBRUM.** White, beautifully spotted with red; very fragrant; flowers in August. This is one of the most useful lilies; perfectly hardy and flowering well under all conditions. 20c each; postpaid.

**SPECIOSUM ALBUM.** Same as the above but pure white. 25c each; postpaid.

**SUPERBUM.** Flowers bright orange-red, thickly spotted with purple. Remarkable for immense height (often 8 feet) and profusion of bloom; a strong plant, bearing from 20 to 30 flowers. Blooms in July. 15c each; postpaid.

**TENUIFOLIUM.** Vivid scarlet with reflexed petals. Very easy culture. 15c each; postpaid.

**TIGRINUM SPLENDENS.** The well known "Tiger Lily," grows from 4 to 5 feet high and bears an immense number of bright orange flowers spotted with black. Blooms in August. 10c each; postpaid.

**TIGRINUM.** fl. pl. A variety of the Tiger Lily with double flowers. 15c each; postpaid.

**WALLACEI.** Flowers rich, clear buff, spotted black, late bloomer. 15c each; postpaid.

## ALWAYS PROVE SATISFACTORY

Sheridan Co. Nebraska. Mar. 24, 1916.

Dear Sirs:—

Received my seeds today, am well pleased with them all. Have bought plants and seeds from you every year and they always prove satisfactory.

Yours very truly,

MRS. J. H. DONOHUE.



LILY OF THE VALLEY



# Bedding and House Plants

## CHRYSANTHEMUMS

CAN BE SUPPLIED UP TO ABOUT JUNE 1

Of the easiest growth, they quickly make large bushes, either in open ground or in pots. We offer the best kinds known. At the low prices for which we offer them, every one should have Chrysanthemums. They are the people's flowers.

**BLACK HAWK.** An extra fine deep, crimson variety of the largest size; none finer of its color. 15c each; postpaid.

**GOLDEN GLOW.** Bright yellow of velvety finish Flower 5½ inches in diameter. 12c each; postpaid.

**GOLDEN WEDDING.** Nothing finer among yellows; shines like burnished gold. The standard for measuring yellows; of mammoth size. 15c each; postpaid.

**JOHN SHRIMPTON.** A rich red that has many admirers; of the largest size. Extra. 15c each; postpaid.

**LAVENDER QUEEN.** A lovely shade of pinkish lilac. Very desirable. 15c each; postpaid.

**PERCY PLUMRIDGE.** This grand variety has literally leaped into popularity. Flowers are so large as to startle you. The color shades from a few rows of lavender pearl to the richest pink. 15c each; postpaid.

**ROBERT HALLIDAY.** Flowers of mammoth size and deep golden yellow; really a wonder. 10c each; postpaid.

**TIMOTHY EATON.** The largest and grandest of all white mums; simply immense. 10c each; postpaid.



CHRYSANTHEMUMS

## FLOWERING BEGONIAS

**ARGENTEA GUTTATA.** A very handsome variety, foliage oblong in form, purplish bronze in color, handsomely marked with silvery gray spots and dashes. The flowers are borne in large clusters, and of pure, waxy whiteness. 15c each; postpaid.

**GRACILIS LUMINOSA.** Magnificent new specimen; exceptionally sturdy and vigorous; unquestionably one of the choicest bedding sorts. Flowers are large, perfect, plentiful and never out of bloom. Color, the brightest scarlet. 15c each; postpaid.

**SANDERSONII.** (Coral Begonia.) Flowers bright scarlet. A profuse bloomer almost always in bloom summer and winter. Excellent for vases, window boxes, etc. 15c each; postpaid.

**THURSTONII.** A beautiful, stately plant; glossy foliage. Under side of leaves rich, purplish red; veinings are very prominent. Upper side, bronzy green, shaded with crimson and olive, with peculiar, glossy metallic lustre over all. Flowers beautiful shell-pink. 15c each; postpaid.

## GERANIUMS

12c each except where noted; any six priced 12c each for 60c; postpaid.



GERANIUM

**MARQUISE DE CASTELLANE.** Magnificent double flowers and enormous trusses of a beautiful soft crimson varying to a lighter red, freely produced the entire season on rigid stems well above the foliage; will satisfy the most discriminating.

**MRS. E. G. HILL.** A profuse bloomer of a soft, light salmon color; each petal bordered with a salmon-rose; will resist the heat of the sun; excellent for bedding. 15c each; postpaid.

**MRS. LAWRENCE.** One of the finest varieties we have in this color especially as a winter or early spring bloomer, continuing throughout the summer, shade of soft satiny salmon-pink, slightly tinged with white. Extra. 15c each; postpaid.

### SWEET-SCENTED GERANIUMS

12c each; 3 for 30c; postpaid

**LEMON.** The foliage is pronouncedly lemon-scented.

**NUTMEG.** Foliage has true nutmeg fragrance.

**ROSE.** The famous sweet rose-scented Geranium; very fragrant.

### IVY-LEAVED GERANIUMS

These have a trailing habit, and are extra fine for basket, vase or porch work. 15c each; 2 for 25c; 5 for 60c; postpaid.

**CAESAR FRANCK.** Color is a magnificent shade of soft, rich crimson, with shading of tender rose at the base of petals.

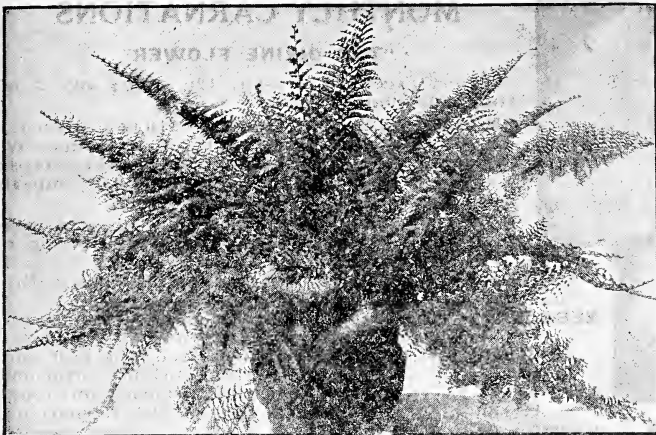
**INCOMPARABLE.** A glorious bright red.

**JOAN D'ARC.** Flowers perfectly double; color pure snow-white.

**MRS. BANKS.** Flowers large, semi-double; color a pleasing shade of bluish-white, upper petals feathered Neyron pink.

**RYCROFTS SURPRISE.** Charming bright clear pink.





OSTRICH PLUME FERN

**THE ROOSEVELT FERN** (*Nephrolepis Rooseveltii*.)

In general characteristics it resembles the world-famous Boston Fern but it produces many more fronds than the Boston thus making a bushier, handsomer plant. Roosevelt will make a better plant in a 6-inch pot than any other Fern in a 10-inch pot. The pinnae are beautifully undulated, giving the Roosevelt a pronounced wavy effect seen in no other Fern; as the plant ages this effect becomes quite distinct. 20c each; postpaid.

**TEDDY JUNIOR.** The fern for every household. It is a sport from the now famous Roosevelt Fern, and while its habits of growth is to produce a shorter frond it retains all the valuable characteristics of the parent plant. The fronds are broad and beautifully tapered from base to tip. The pinnae are distinctly undulated. It is such a compact, vigorous grower that it will thrive under the most adverse conditions making an exceptionally rapid growth and producing a plant of rare



PLUMOSUS

**BABY'S BREATH FERN.** (*Nephrolepis Goodii*.) beauty and perfection in the average dwelling house without special care or attention. 20c each; postpaid.

This has the finest foliage of all the ferns. It is so delicate and dainty in texture that baby's breath will set its fluffy foliage in motion. The fronds are very fine and filmy on which account it has been called by some the lace fern. Nothing is daintier or more exquisite than well grown specimens in any size. No fern in existence can compare with "Baby's Breath" in fluffiness. 25c each; postpaid.

**ASPARAGUS SPRINGERII** (*Emerald Feather Asparagus*.) It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green feathery foliage, which can be cut freely and are very useful for bouquets, wreaths, and all kinds of floral decorations. It is a strong, vigorous plant, very easily grown, requires but little care and keeps on growing, fresh and green, year after year. 20c each; postpaid.

**DWARF FERNS FOR FERN DISHES.** We have selected a few of the hardiest and most satisfactory varieties for filling fern dishes of which there is no prettier table decoration. 15c each, or 7 different dwarf ferns for 75c; postpaid.

**FERNS**

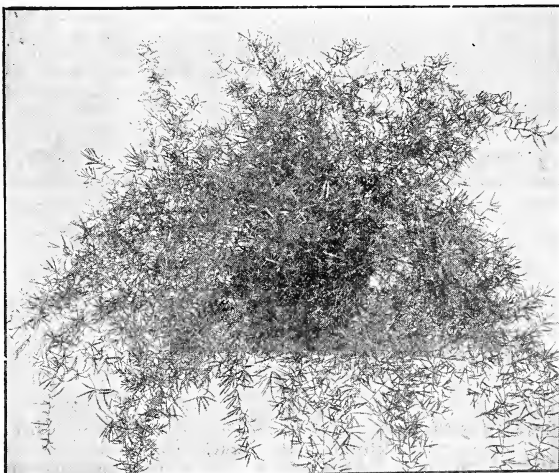
**OSTRICH PLUME FERN** (*Nephrolepis Whitmanii*). Thrives perfectly in the warm atmosphere of living rooms. Combines graceful pluminess and charm with additional features of good shape size and growth. The accompanying illustration was made from a photograph and gives only a fair idea of its graceful appearance. 20c each; postpaid.

**BOSTON SWORD FERN** (*Nephrolepis Bostoniensis*.) This Fern has proven to be a most popular decorative plant. It is a rapid grower of very easy culture, soon forming a large, graceful plant; its beautiful fronds often attaining a length of 4 to 5 feet, which arch and droop so gracefully that it is sometimes called the Fountain Fern. No plant ever introduced has had a larger sale than the popular "Boston Fern." You can make no mistake in ordering this magnificent Fern, as it is sure to please you. 20c each postpaid.

**ASPARAGUS PLUMOSA** (*Climbing Lace Fern*). Easily grown and very satisfactory for window and house culture; an extremely graceful window climber, bright green feathery foliage, as fine as the finest silk or lace. The fronds retain their freshness for weeks when cut and are greatly admired for floral decorations. An exceedingly beautiful plant for house and conservatory, and will thrive nicely in the temperature of an ordinary living room. 20c each; postpaid.

**FISH TAIL FERN** (*Nephrolepis Davallioides Furcans*). This is a grand fern entirely distinct from any of the other varieties of *Nephrolepis*. The ends of the Pinnae are so formed as to resemble a fish tail giving the fronds a crested appearance, very effective. It grows into the most shapely plant of any of the *Nephrolepis*.

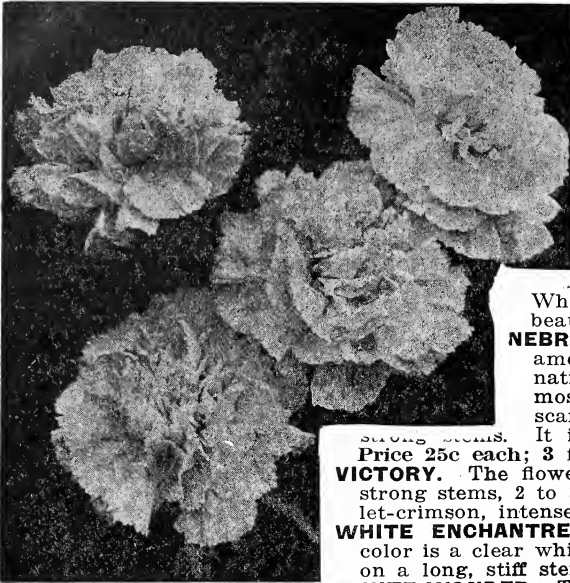
Grand for house culture. 20c; postpaid.



ASPARAGUS SPRINGERII

LARGE SIZE PLANTS OF ALL ABOVE FERNS, 50c EACH, BY EXPRESS





ENCHANTRESS CARNATION

## MONTHLY CARNATIONS

### "THE DIVINE FLOWER"

Price, except Nebraska, 12c each; any 3 of your selection for 30c.

**ENCHANTRESS.** (The Great \$10,000 Beauty.) Is pronounced superior to the Mrs. Thomas W. Lawson. The flowers are  $3\frac{1}{2}$  to 4 inches across when well grown. The color is a superb shade of rosy blush-pink.

**MAY DAY.** This is the largest Carnation ever offered. It is a wonderfully free bloomer, considering the monster size the flowers attain. White, overlaid with pink, reminding one of the beautiful tints seen in Azaleas.

**NEBRASKA.** This grand flower has caused a sensation among Carnation growers. It is the best red Carnation in existence. Monster flowers of the best and most lasting shade of beautiful, bright, crimson-scarlet. Every flower is perfect, borne on long, It is the finest bloomer of any of the Carnations.

strong stems.

Price 25c each; 3 for 65c; postpaid.

**VICTORY.** The flowers measure  $3\frac{1}{2}$  inches when well grown. Long, strong stems, 2 to 3 ft. A healthy, vigorous grower. Glowing scarlet-crimson, intense and fiery with its rich ox-blood shadings.

**WHITE ENCHANTRESS.** A running mate for the Enchantress; its color is a clear white, flowers like Enchantress are very large, borne on a long, stiff stem.

**WHITE WONDER.** The young plants produce flowers quicker than any other white carnation, are of good size and lasting. The queen of its class.

## FUCHSIAS

### "LADIES' EARDRUMS"

Price, 15c each; the set of 4 for 50c

**BLACK PRINCE.** This is, without question, the very finest Fuchsia grown for the amateur to cultivate. It makes a shapely bush, is robust in growth, free from disease and insects, and is probably the freest in blooming. We have seen specimen plants 6 feet in height and 4 feet across loaded with bright buds and blossoms of a beautiful waxy carmine or pink color.

**ENFANT PRODIGY.** A grand Fuchsia; bright red sepals, deep purple corolla.

**MONTROSA.** Of the largest size; scarlet sepals, double snow-white corolla.

**SPECIOSA.** Habit erect and compact, presenting a decidedly neat and attractive appearance as a pot plant. The fine star-shaped flowers are produced in profusion, and begin when plants are quite young. The flowers are three inches or more in length; tube and sepals bright rose, corolla brilliant carmine; it blooms quite freely

## OTAHEITE ORANGE

**CHINESE DWARF.** A grand pot plant of great beauty and novelty. Is a dwarf orange that grows, blooms and fruits freely in pots, even when only a foot or two high. Fruit is about half the size of ordinary orange; is sweet and luscious. Blooms are produced in greatest abundance, are delicate and beautiful in color, and rich in delicious perfume. Blooms most freely during winter, although very likely to bloom at all times of the year. With 1 or 2 plants you can raise an abundance of fragrant blossoms. 20c each; one Lemon and one Orange for 35c; postpaid.

## Tender Vines and Climbers

**THE WONDERFUL GIANT MOONFLOWER.** (Ipomea Maxima.) A giant in growth and flower, and wonderfully fragrant. This grand new Moonflower is a decided improvement over the old well-known variety, Ipomea Grandiflora. The flowers are more than twice the size, oftentimes measuring from 6 to  $7\frac{1}{2}$  inches across. Its growth is very rapid when planted in good rich soil. Fine plants, 15c each.

**GERMAN or PARLOR IVY.** A rapid-growing plant, well adapted for training in the parlor. Leaves glossy green and flowers yellow, in clusters. 8c each.

**SMILAX.** A lovely house vine. 10c each.

**TRADESCANTIA.** (Wandering Jew.) Fine for baskets. Two distinct kinds. 10c each.

**VINCA MAJOR VARIEGATA.** Fine for baskets and vases; green and white foliage. 10c each; large strong plants, 20c each.

## COLEUS

**GENERAL ASSORTMENT.** We have a collection of 30 kinds of the most distinct sorts. Leave the selection of varieties to us, as it is hard to describe the various tints. 10c each; any 4 for 25c; any 12 for 75c; 25 distinct varieties for \$1.50; postpaid.

These are good bedders, standing the hot sun without losing their color. Price of Coleus by the hundred when sent by express, \$3.50, you to pay the expressage.

## LEMON

**AMERICAN WONDER OR PONDEROSA.** It is a cross between the ordinary lemon and grapefruit, or Pomelo, of rapid growth; large dark green foliage, and bears fruit when quite young often weighing 3 to 5 lbs. Very ornamental on account of large shiny foliage and wonderful immense fruit borne very freely. The fruit is edible and may be used for all culinary purposes. 20c each; postpaid.



AMERICAN WONDER LEMON  
Also called PONDEROSA



# Summer Flowering Bulbs

Plant in deep, rich soil, when the ground becomes warm. For earliest flowering the tender bulbs may be started in the house. For succession of bloom, plant up to June 1st. After fall frost, lift the bulbs, let them dry, and then removing the tops, store in a cool, dry place, away from frost, planting early in the spring.

## CANNA

The most popular decorative plant of the day. The earth should be spaded deeply and well enriched. After planting water sparingly until the plants have taken root and show good leaf growth. When in full foliage they may be watered freely. We are making a specialty of Cannas and you will find our plants extra fine and the blooms of very beautiful coloring.

- ALLEMANIA.** Scarlet orange bordered with yellow; 6 ft.  
**ALPHONSE BOUVIER.** Richest red; showy variety. 5 ft.  
**BEAUTE POINEVINE.** A rich glowing crimson. 2½ ft.  
**BURBANK.** Immense flowers of a rich yellow. 3½ ft.  
**EGENDALE.** Bronze foliage, flowers deep red. 4½ ft.  
**FLORENCE VAUGHAN.** Pure yellow dotted with red. 5 ft.  
**FREDERIC BENARY.** Currant with orange throat and yellow edge. 5 ft.  
**KING HUMBERT.** Giant flowered; orange scarlet; bronze leaf. 4 feet.

**MADAME CROZY.** Crimson scarlet with yellow border. 3½ ft.

**MME. BERAT.** Large flower of a soft rosy-carmine, nearly pink. 6 ft.

**QUEEN CHARLOTTE.** Rich crimson with band of yellow. 4 ft.

**FIREBIRD.** This is by all means the best red flowered, green leaved canna today. The flowers are borne in immense trusses on strong stalks well above the leaves. They are a splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across, and the color is a clear glistening scar-



CANNA

let, without any streaks, spots or blotches. We have tested out a great many varieties and have never found a canna its equal. It ranks with or even above King Humbert. We will have a fine stock of these from three inch pots ready May 1st. 35c each; 3 for \$1.00; \$3.50 per doz.

## PRICES OF ALL CANNAS EXCEPT FIREBIRD

Dormant Roots, 8c each; 75c per doz; postpaid. By express, per dozen, 65c; per 100, \$5.00.

Started Plants ready May 10th, 10c each; per dozen, \$1.00; postpaid. By express, per dozen, 85c; per 100, \$6.50.

## DAHLIAS

Large, symmetrical double flowers, having broad petals, incurving at the center. Blooms from August to freezing weather.

**PRINCESS VICTORIA.** Very large, clear canary yellow.

**JACK ROSE.** In color it resembles the Jacques minot rose. Profuse bloomer and splendid for cutting purposes.

**SYLVIA.** A beautiful deep pink, shading lighter to the center.

**A. D. LIVONI.** Rich pink, finely formed; a very handsome flower.

**ARABELLA.** Very large and beautiful. Color soft primrose shaded with rose.

**WHITE SWAN.** Large pure white. One of the best.

**QUEEN VICTORIA.** Large, rich golden yellow.

**RED HUSSAR.** Richest cardinal red, with long stems. Splendid for cutting.

**VARNUM'S VARIEGATED.** Bright red, tipped with white.

**GOV. WARFIELD.** Pure white.

**HOBBIES' YELLOW.** Rich canary yellow.

**DELICE.** Bright rose pink. 25c.

**JUMBO.** Deep red.

**ELEGANS.** Rosy purple, tipped white.

**BOUTON.** Splendid crimson.

## PRICES OF ALL DAHLIAS EXCEPT DELICE

Any of the above named Dahlias 20c each; per dozen, \$2.00; postpaid. By express, 15c each; per dozen, \$1.65.

**MIXED DAHLIAS.** Including some of the above varieties, 15c each; per dozen, \$1.50; postpaid.

**DAHLIA SEED.** Single or double. Pkt., 5c; postpaid.



DAHLIA



**AIR POTATOES.** A brand new climbing vine of recent introduction. It has large heart-shaped leaves; they are so glossy that they look as if varnished and grow at a rapid rate. They produce a quantity of round tubers all up the vine from the size of birds' eggs to a goose egg. It belongs to the same family as the old cinnamon vine, but is much more handsome and greatly superior to it in every way. The tubers can be stored over the winter like potatoes, and planted in the spring. 15c each; 3 for 40c; postpaid.

**CALADIUM ESCULENTUM** (Elephant's Ear). Fine tropical plant, bearing immense leaves. Start as directed for cannas, when growing you cannot make the soil too rich or keep it too wet. 15c each; 2 for 25c; postpaid.

**CRINUM AMERICANUM.** A native of the swamps of Alabama and Florida, but it grows in any good garden soil and is of easy culture. Handle like an Amaryllis, and the beautiful clusters of large, pure white, delicately sweet scented flowers will repay for the care. 20c each; 3 for 50c; postpaid.

**KUDZU VINE** (Jack-and-the-Bean-Stalk). A most remarkable hardy climber. Starts slow but in a few weeks grows almost beyond belief. Foliage dark green. Fine for porches and arbors. Roots, small, 13c each; 3 for 40c; postpaid. Large roots, 25c each; by express.

**MADERIA VINE.** A rapid climber, twining to great heights. Thick, glossy leaves and feathery, very fragrant flowers. It grows anywhere, but does better in a warm, sunny location. It is also very pretty for training in the house. Strong tubers, 5c each; 3 for 10c; per dozen, 30c; postpaid.

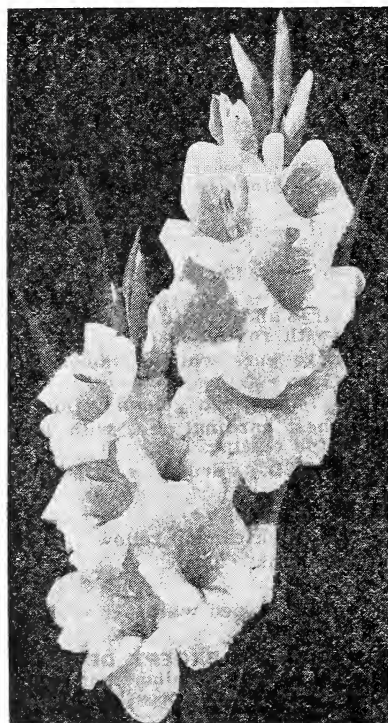
**MATRIMONY VINE.** Well known, hardy, fast growing vine; handsome when covered with scarlet fruit in Autumn. Plants 35c each; postpaid.

**OXALIS.** Summer-blooming. A very pretty plant for edging flower beds. Bears an abundance of pink and white flowers and delicate foliage. 15c per dozen; postpaid.

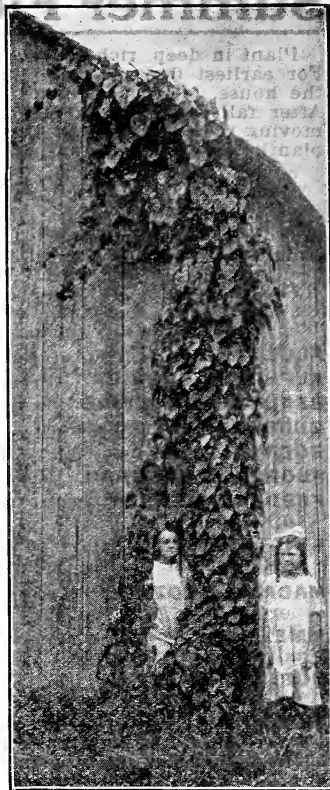
**TUBEROSE.** A beautiful white wax-like very sweet-scented double flower growing on tall stems. 5c each; 40c per dozen postpaid.

**Mexican Ever-blooming Tuberose.** These come from the high tablelands of central Mexico. They have tall stiff stems, flowers pure white; single, delicately fragrant. They withstand all kinds of wind and weather except hard frosts, commence to bloom in May and are a mass of white till cut down by frost. They never blight and the

smallest bulb blooms the first season, generally sending up 3 to 10 flower stalks. If the stalk is cut when the first flower opens and put in water, the flowers increase in size and whiteness and keep for a week or ten days. 8c each; 3 for 25c; 75c per dozen; postpaid.



GLADIOLI



AIR POTATOES

## GLADIOLI

This is one of the best summer-flowering bulbs. It is a flower anyone can grow and is lovely enough to satisfy the most exacting. The flowering season may be continued by planting from middle of April to the first of June. Set the bulbs 6 inches apart, and 2 to 4 inches deep. For fall treatment see under "Summer Flowering Bulbs," page 97.

**AUGUSTA.** Lovely pure white, blue anthers. 5c each; 40c dozen; postpaid.

**AMERICA.** The finest pink Gladiolus yet introduced; especially valuable to florists, spikes 2 to 3 feet long; flowers are large, open and spreading. Color delicate lavender pink. 5c each; 40c dozen; postpaid.

**BARON HULOT.** Dark purplish violet. 5c each; 50c per dozen.

**BRENCHLEYENSIS.** Intense fiery scarlet. 5c each; 40c per dozen; postpaid.

**MRS. FRANCES KING.** Bright "Flamingo" pink, strikingly attractive. Flowers 4 to 5 inches across are borne on stalks 5 feet high. 5c each; 50c per dozen; postpaid.

**SCARDALE or PINK BEAUTY.** A beautiful deep pink variety, very early. One of the best. 5c each; 50c per dozen; postpaid.

**NIAGARA.** The best yellow. 10c each; \$1.00 per dozen; postpaid.

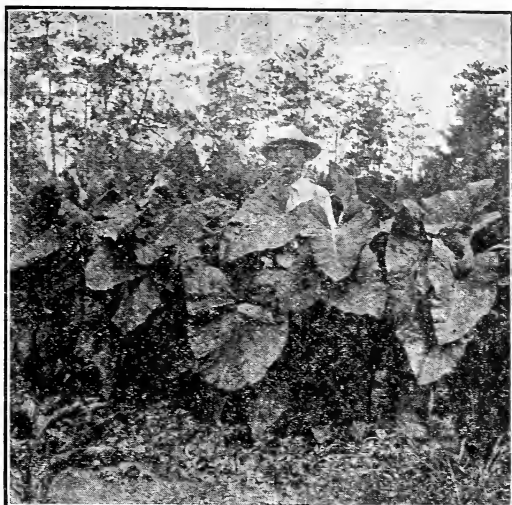
**GROFF'S HYBRIDS.** The size and beautiful shadings of this strain give the greatest possible range of varieties. 5c each; 40c per dozen postpaid.

**GRISWOLD'S FINE MIXED.** All colors and varieties. Every one a beauty. 4c each; 35c per dozen; postpaid.

**GOOD MIXED.** Especially recommended to make a good brilliant show in the garden for a small outlay. All bloomers. 3c each; 4 for 10c; 25c per dozen; postpaid. 50 for 75c; 100 for \$1.25; by express at buyer's expense.



**TRINIDAD DASHEEN.** The Trinidad Dasheen belongs to the same family as the well known Elephant Ear or Calladium Esculentum so often grown all over the country for ornamental use in our gardens and somewhat resemble them but grow more upright, leaf is rounder and of a much darker green in color. They like an abundance of water and will thrive where it is too dry for the common Elephant Ear. They will on good rich soil reach a height of 6 feet and upwards; and, if planted 2x4 feet, will yield enormous crops. The shoots in early spring are often cooked like asparagus and make an excellent substitute for that vegetable. The tubers are much richer in food values than either Irish or Sweet Potatoes and are cooked in various ways. A bulletin containing a variety of recipes for cooking them has been issued by the Agricultural Department at Washington that can be had for the asking. They mature such a wonderful crop of tubers that it is thought they will prove a very profitable crop. At any rate everyone should try a few. Price, small size, 10c each; large size, 20c each; postpaid. By express, small size, \$6.00 per 100; large size, \$15.00 per 100.



TRINIDAD DASHEEN

of the best ornamentals we know of. Fine for either garden or home culture, where one has room enough for a magnificent plant. 20c each; 3 for 50c; postpaid.

**XANTHOSOMA (Bataviensis).** The Xanthosomas are similar to Caladiums, having great arrow-shaped leaves. This variety has very dark purple stems and dark green leaves and is one

**HEDYCHUM (Butterfly Lily).** Grows best on low, damp ground. Are much like Cannas, but the leaves are narrower and the flowers are produced from a close head. Blooms about 4 o'clock in the afternoon. The pure white flowers look much like butterflies and are very fragrant. If kept in the house in a growing state it blooms continually. 15c each; 3 for 40c; postpaid.



BUTTERFLY

#### FALL BULBS

In September of each year we import from Holland, a large shipment of Fall Bulbs. These should be planted any time from the middle of September until the ground freezes. This list includes bulbs for outdoor planting and for planting in the house. Write for our illustrated Bulb Catalog.

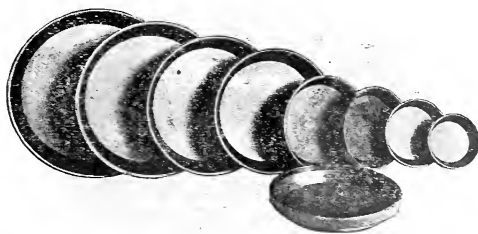
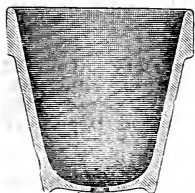
#### STANDARD FLOWER POTS AND SAUCERS

Sent by Express or Freight

We pack these carefully, but will not be responsible for breakage in transit.

#### FLOWER POTS

Weight	Each	Doz.	100
2 in. 1½ lbs. per doz.	\$0.02	\$0.12	\$0.80
3 in. 5 lbs. per doz.	.03	.20	1.25
4 in. 1 lb. each.	.04	.35	1.85
5 in. 2 lbs. each.	.05	.50	3.65
6 in. 3 lbs. each.	.06	.65	5.00
7 in. 4 lbs. each.	.10	1.10	
8 in. 5½ lbs. each.	.15	1.50	



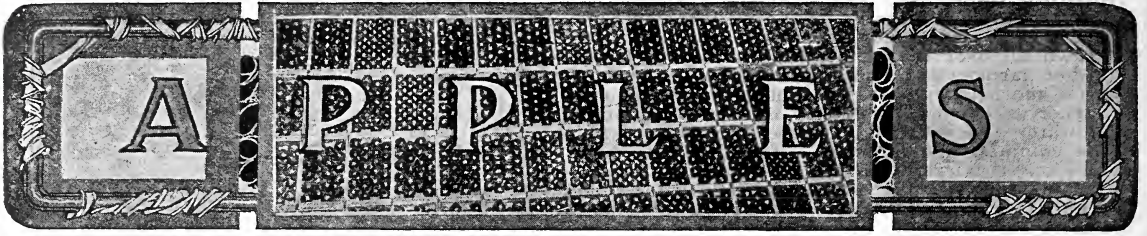
#### MOISTURE PROOF SAUCERS

Maytree flower pot saucers are superior in every way to all other kinds of flower pot saucers—are practically non-destructable and should last forever guaranteed to always remain absolutely moisture proof. They have a soft finish and will not scratch or mar the finest surface.

#### MOISTURE PROOF SAUCERS

4 inch.	12c each; \$1.30 per doz.
5 inch.	15c each; 1.50 per doz.
6 inch.	18c each; 1.70 per doz.
7 inch.	20c each; 2.05 per doz.
8 inch.	25c each; 2.45 per doz.
10 inch.	45c each; 4.95 per doz.
12 inch.	60c each; 6.25 per doz.





## Nursey Stock

Our fruit trees are all grown at home and adapted to this climate. Our nursery stock is all inspected by the State Entomologist and must be free from all insects and diseases before it can be sold. A certificate to this effect accompanies each shipment. We guarantee our trees to give you satisfaction in so far that if they are not satisfactory upon arrival you can return them immediately at our expense.

We catalog only such varieties as are productive and suitable for this climate.

### FOR PRICES OF APPLES LISTED ON THIS PAGE, SEE PAGE 102

**BEN DAVIS.** Old variety, large, red stripes; good keeper; quality medium.

**DUCHESS OF OLDENBURG.** This well-known Russian variety is the hardiest of the old list and is a young and abundant bearer. Tree is dwarf and can be planted profitably as a filler. Handsome, large fruit, oblate, greenish yellow, almost wholly covered with stripes and splashes of bright crimson. Flesh white, slightly acid, tender, juicy, and pleasant. A kitchen apple of the finest quality and also highly esteemed for dessert. A good shipper for an early apple. Should be found in every orchard in the Northwest. Season August.

**GRIME'S GOLDEN.** Tree vigorous. Fruit above medium, regular, surface rich golden yellow; flesh yellow, flavor rich and spicy, slightly acid. Specially good for early winter. Season November to January.

**JONATHAN.** A delicious dessert apple. Fruit good size, surface smooth, clear, bright yellow, al-

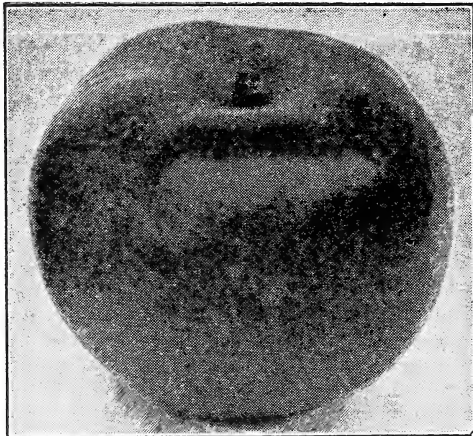
most covered with rich dark red on sunny side; flesh white, tender, juicy, and spicy. November to January.

**MAIDEN BLUSH.** Good size, fine flower, beautifully blushed, good bearer, a fine apple for home and market. September.

**NORTHWESTERN GREENING.** Tree a splendid vigorous grower, quite hardy. Fruit large to very large, green becoming yellow-green when ripe. Flesh yellow, fine grained and firm. Flavor a good sub-acid, very smooth and attractive. Very prolific and a regular bearer.

**RED JUNE.** Size medium, oblong, very red. Flesh white, tender, juicy, sweet, acid with a fine flavor. Quite early and keeps well for a summer apple. Tree very hardy, bearing young and abundantly.

**WALBRIDGE.** Medium size, striped with red, good cooker; vigorous grower and productive. Very hardy and considered of value in the North. December to January.



WEALTHY

**WEALTHY.** Originated by the late Peter M. Gidion. A vigorous, spreading grower, very productive and hardy. Fruit above medium to large, oblate, very regular, smooth, light, yellow, almost wholly covered with bright red splashes and stripes. A beautiful fruit. Flesh white, often stained with red, tender, very juicy, slightly sub-acid, very good for table use and cooking. A splendid and profitable market sort. Season October to February.

**WINESAP.** A valuable, well-known variety. One of the leading export apples, fruit medium, roundish, skin moderately thick and tough. Dark red with yellow; flesh very rich and firm. Season December to May.

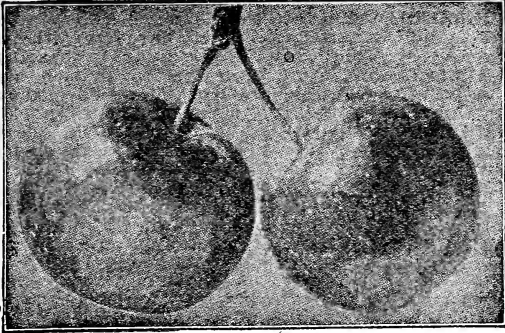
**YELLOW TRANSPARENT.** One of the earliest apples. Fruit is medium large, smooth, transparent. Skin is clear white, turning pale yellow when ripe. Flesh white, fine grained, aromatic, and of splendid quality. Tree is vigorous, good bearer. Two-year-old trees frequently produce fruit. Succeeds in all Eastern states, and should be planted in all cold climates. Succeeds well on thin soils. Ripens in early August. Its hardiness, vigor and early bearing commend it.

The Law is such that we cannot ship nursery stock into Wyoming



## Crab Apple

**WHITNEY NO. 20. (Hybrid.)** A beautiful, upright growing tree. A young and abundant annual bearer and very hardy. Fruit of large size, conical, yellow striped with red, and covered with a whitish bloom. Flesh, white, crisp, sub-acid, almost sweet and very fine for eating; good for sweet pickles. Season August to Sept.



FLORENCE

**FLORENCE.** A hardy tree, bearing young; fruit medium, of carmine color; flesh yellowish; medium fine; a fine jelly crab.

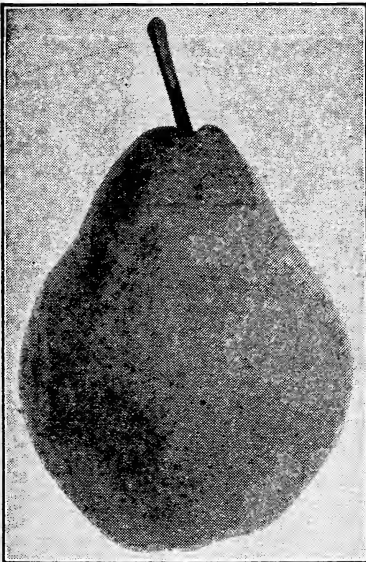
**MARTHA.** A vigorous grower and free from blight. Fruit large yellow with heavy blush of light red, flesh fine grained, firm; very juicy and fine for cooking.

## Pears

**CLAPP'S FAVORITE.** A large, fine pear, resembling the Bartlett but without its musky flavor. Pale lemon yellow with brown dots, very juicy with a delicate flavor.

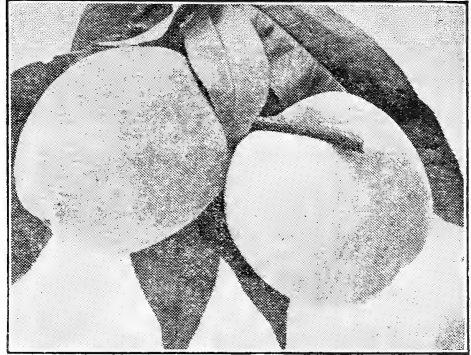
**GARBER.** Large bright yellow with red dots; juicy and good, splendid for canning. Trees not subject to blight and the fruit ripens just after the Bartlett.

**SECKEL.** Small, rich, yellowish brown. One of the best and highest flavored pears known. Very productive.



CLAPP'S FAVORITE

## Peaches



ALEXANDER

**ALEXANDER. (Cling.)** Medium size, greenish white, nearly covered with rich red; flesh sweet and juicy. Very productive.

**HALE'S EARLY. (Semi-Cling.)** Medium greenish white with red cheek; flesh white, melting, juicy. Abundant bearer.

**TRIUMPH. (Free.)** Medium round, somewhat flattened; greenish yellow, cheek purplish red. Flesh yellow with red stains; juicy and very good. One of the early sorts.



HALE'S EARLY

## Apricots

**ALEXANDER. (Russian.)** Medium to large, light orange, yellow flecked with red; flesh tender, juicy, sweet and good quality; hardy; very productive. July.

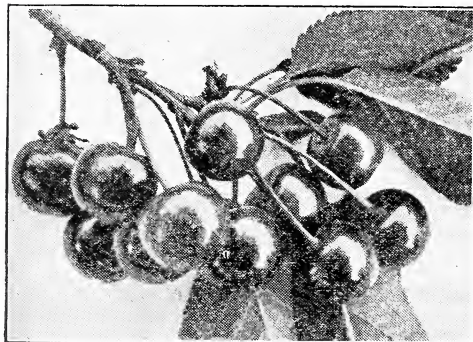
**BUDD. (Russian.)** Medium to large; light orange with blush on sunny side; flesh sweet, juicy with flavor of the peach; hardy and productive. August.

**For Prices of Fruit on this Page, see Page 102**

**THE LAW IS SUCH THAT WE CANNOT SHIP  
NURSERY STOCK INTO WYOMING**

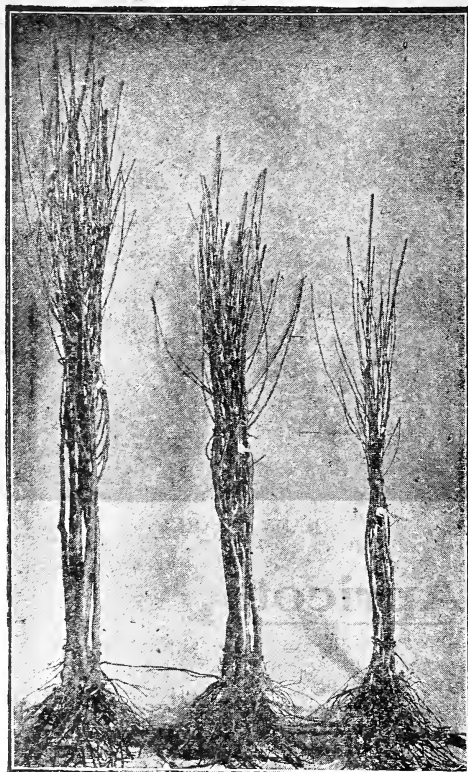


# CHERRIES



EARLY RICHMOND

**COMPASS CHERRY.** Absolutely hardy everywhere. Nearly an inch in diameter, bright red, sweet and juicy and of very fine flavor. The original tree bore fruit the third year from the seed and has borne a full crop every year since. The tree is a regular and heavy bearer and produces fruit the next year after setting out. For exposed situations and for the North and West it is the "Cherry." Requires no protection what ever; in every particular is hardy as an oak.



6-7 ft.

5-6 ft.

4-5 ft.

**EARLY RICHMOND.** (English Pie Cherry.) A well-known old standard variety. Tree is hardy, healthy, a free grower, very productive and regular in bearing. Fruit clear bright red, of medium size, acid, rich and one of the best for canning and for pies. The most popular of the true Kentish Cherries. Ripens in June.

**ENGLISH MORELLO.** Medium to large, roundish, dark red, nearly black when ripe, flesh purplish red, meaty, juicy. Very productive.

**MONTMORENCY.** A beautiful, large red cherry, larger and finer than Early Richmond, but fully 10 days later. Being extraordinarily prolific and very hardy, it can be highly recommended. Valuable for canning and preserving. One of the best and most popular varieties.



BURBANK

## Plums

**HAWKEYE.** One of the largest and best plums grown in the Northwest. Fruit large, round, oval, thick skin that bears handling; color dull red over yellow; flesh yellow and of prime quality. Tree hardy and vigorous, bears young and reported everywhere as prolific and regular. A profitable market plum, stands shipping well. Highly valued for fresh fruit and culinary purposes.

**WOLF.** One of the most popular and widely planted of all our hardy plums. A very rapid grower which comes into bearing when young and is very productive. Fruit large, round to oval; color crimson over orange; free-stone. Flesh yellow, of good flavor and quality. Season August 25th to September 1st.

**BURBANK.** Medium to large, orange-yellow; dotted with red, flesh meaty, yellow, sweet and good; valuable for canning, hardy and very prolific.

**WEAVER.** Large, oblong, flattened at ends, dark mottled red with purplish bloom; flesh firm, meaty and very good; a constant and regular bearer and very hardy.

### OUR FRUIT TREE PRICES By Express at Purchaser's Expense

	Size	Per 1	Per 10	Per 100
Apples	5-6 ft.	\$0.30	\$2.35	\$27.00
	4-5 ft.	.20	1.75	15.00
Crab Apples	5-6 ft.	.35	3.25	30.00
	4-5 ft.	.25	2.00	18.00
Apricots	5-6 ft.	.40	3.75	35.00
Cherries	5-6 ft.	.50	4.50	42.00
Compass Cherry	4-5 ft.	.40	3.75	35.00
Peaches	6-7 ft.	.25	2.25	20.00
Pears	6-7 ft.	.40	3.50	32.50
Plums	6-7 ft.	.40	3.75	35.00

THE LAW IS SUCH THAT WE CANNOT SHIP NURSERY STOCK INTO WYOMING.



# SMALL FRUITS

POCKLINGTON

## Grapes

### The Law is Such That We Cannot Ship Nursery Stock Into Wyoming

There is scarcely a yard so small, either in country or city, that room for one to a dozen or more grape vines cannot be found. They do admirably trained up to the side of any building, or along the garden fences, occupying but little room and furnishing an abundance of the healthiest of fruit. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery. Plant about 8 feet apart by the fence or building. For vineyards, make rows 8 feet apart, 6 to 10 feet in rows.

**AGAWAN.** (Red.) Bunch large, compact, shouldered, berry large, dark red or nearly black; flesh tender, juicy, vinous and good quality; later than Concord. 12c each; \$1.00 per dozen; postpaid. By express, 75c per dozen; \$5.00 per 100.

**BRIGHTON** (Red.) Bunch medium to large, long, compact, shouldered; berries medium; skin thin; flesh tender, sweet, with scarcely any pulp; quality best. Vine a vigorous grower, healthy, hardy and productive; one of the best early red Grapes. The flowers have reflexed stamens, do not always fertilize fully unless planted with Concord, Worden, Niagara or other varieties which blossom at the same time. 15c each; \$1.25 dozen; postpaid. By express, \$1.00 dozen; \$6.00 per 100.

### CONCORD.

(Black.) The old, well-known and deservedly popular variety, succeeds wherever grapes can be grown. 10c each; \$1.00 doz.; postpaid. By express, 75c doz.; \$3.75 per 100.

### MOORE'S EARLY.

(Black.) Bunch not quite as large as Concord, berries larger and very much like it in flavor and quality. Vine a moderate grower, very healthy and hardy. Produces a fair and, with high cultivation, a heavy crop. Ripens so early as to be nearly out of market before Concord is ripe, and is, therefore, a very popular early market variety. Succeeds best on rich soil. 15c each; \$1.25 dozen; postpaid. By express, 90c dozen; per \$100, \$6.00.

**NIAGARA.** (White.) One of the leading white sorts; bunch large, shouldered, compact; berry large, yellowish white, juicy, vinous and sprightly, quality good; skin tough. Price same as Moore's Early.

**POCKLINGTON.** (Green.) Pale green, usually with tinge of golden yellow where exposed to the sun; bunch large, very compact, very large; flesh juicy, sweet, with considerable pulp. Vine a moderately good grower, but very healthy and very hard, it buds notwithstanding severe cold even better than Concord. It produces a heavy crop of fine showy clusters. Price same as Moore's Early.

**WORDEN.** (Black.) Bunch large, sometimes shouldered, compact; berries very large, skin thin. Ripens 5 to 10 days earlier and fully equals Concord in vigor and productiveness. Price same as Agawam.

### MOORE'S EARLY

15c each; \$1.25 dozen; postpaid. By express, 90c dozen; per \$100, \$6.00.

**INSECTICIDES  
AND SPRAYERS**  
Pages 110-114

AGAWAM





HOUGHTON GOOSEBERRIES

## Gooseberries

Plant in good rich soil in rows 5 feet apart by 3 feet in the row, and give a liberal dressing of manure every season. Regular pruning every year is essential for the production of fine fruit. The English varieties especially do best in partial shade and should be heavily mulched. To prevent mildew spray bushes soon as leaves appear and several times during the summer with potassium sulphide, one ounce to four gallons of water, or Grape Dust. (See page 114.)

**DOWNING.** An old and well-known variety. Fruit large and handsome, pale green, of fine quality. A strong, vigorous grower, seldom affected by mildew. One of the best. 20c each; postpaid. By express, \$1.80 per dozen.

**HOUGHTON.** Fruit small to medium, pale red, of fine flavor. Plants of slender, spreading growth and enormously productive. 15c each; postpaid. By express, \$1.10 per dozen.

## Currants

Hardy, easily cultivated, stand neglect well, and liberally responds to cultivation and generous treatment; indispensable for jellies, etc. Set four feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room



WHITE GRAPE CURRANTS



WILDER CURRANT

to grow. If the currant worm appears dust with hellebore. All plants well rooted and strong.

**CHERRY.** Berries sometimes more than half an inch in diameter, bunches short, vigorous and productive when grown on good soils and well cultivated.

**FAY'S PROLIFIC.** The leading market variety; bunches and berries large and uniform in size, easily picked; exceedingly productive.

**VICTORIA.** Large, bright red; berries medium size, of excellent quality. Erect grower, very productive. Ripens late, a valuable sort.

**WHITE GRAPE.** Very large, yellowish white, sweet or very mild acid. Excellent quality and valuable for the table. Productive.

**WILDER.** One of the strongest and most productive. Bunch and berries very large, bright, attractive red color, even when dead ripe; hangs on bushes in fine condition for handling until very late. A valuable market sort.

### PRICES

All currants 15c each; \$1.25 per dozen; postpaid.  
By express, \$1.00 dozen; \$6.00 per 100.

THE LAW IS SUCH THAT WE CANNOT SHIP NURSERY STOCK INTO WYOMING.



## Blackberries

Blackberries are among the best-known and most valued of our berries. No fruit of any kind is more wholesome. A liberal use of berries and other good fruit will save doctors' bills. Blackberries should be planted in rows six or seven feet apart, three to four feet in the row. Keep the ground light, rich and clean and pinch the canes back when they have reached four feet in height. For garden culture set in rows 4 feet apart, light, rich soil being preferable.

**BLOWER.** A splendid new sort. Large size, jet black, good shipper, best quality, unexcelled productiveness. 15c each; 6 for 80c; postpaid. By express, 65c per dozen; \$4.50 per 100.

**MESEREAU.** Berries large, jet black, very productive, sweet, good quality. Fine market sort. 10c each; 90c per doz.; postpaid. By express, 50c per doz.; \$3.00 per 100.

**FOR  
PRUNING  
SHEARS**

See Page 118

### SNYDER.

Very popular for the Northwest on account of its extreme hardiness; wonderfully productive; size medium, fruit juicy and sweet, canes remarkably strong and thrifty. 10c each; 80c per doz.; postpaid. By express, 45c per doz.; \$3 per 100.

## Rasp- berries

Will do well on any soil that will produce a good corn crop. Land should be thoroughly prepared and well enriched; ground bone is one of the best fertilizers. Keep well cultivated and free from weeds and suckers. As soon as they are through bearing, cut out the old wood to give more vigor to the young canes. Plant 3 feet apart, and 5 feet between rows.

**CARDINAL.** This wonderful berry surprises all by its great growth, extreme hardiness, exceeding productiveness and the unusual richness of its pure flavored, large purple berries. 12c each; \$1.00 per doz.; postpaid. By express, 75c doz.; \$4.00 per 100.

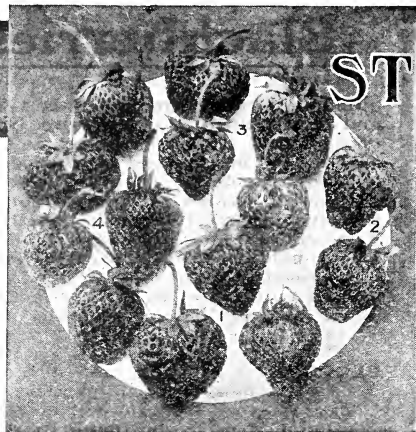
**CUMBERLAND.** Largest black raspberry known. Perfectly hardy and vigorous grower. For productiveness nothing exceeds it. In quality rich, sweet and luscious; a mid-season variety. Each, 8c; 60c doz.; postpaid. By express, 50c doz.; \$3.50 per 100.

**KANSAS.** Strong, vigorous, standing extremes of drought and cold, and bearing immense crops. Early berries, jet black and of best quality. 8c each; 65c per doz.; postpaid. By express, 55c per doz.; \$3.50 per 100.

**Everbearing Blackberries and Raspberries, Page 107**

**The Law is Such That We Cannot Ship Nursery Stock into Wyoming**





## STRAWBERRIES

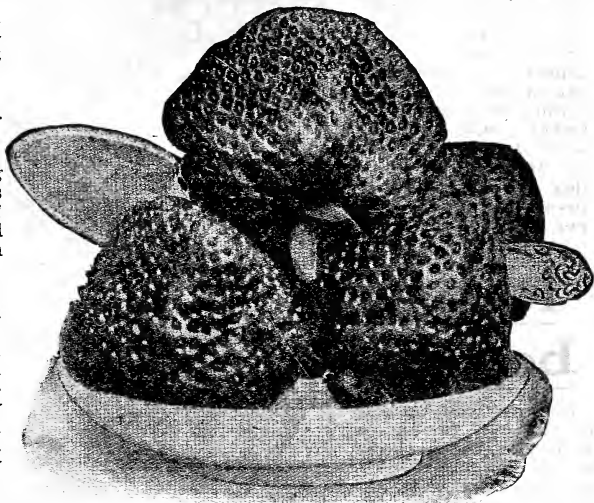
**CULTURE.** On arrival of plants unpack them at once, loosen the bunches, "heel" them in the ground or dip their roots in a "puddle," made by mixing earth in water until of the consistency of cream, and lay in a cool, damp place until they can be planted. Do not leave in package and pour water over them, as this will surely cause the plants to heat and spoil. To grow large berries and plenty of them fertilizers must be used freely. Ground bone is excellent. Do not plant deep, but press the earth very firmly about the roots. Should the weather be warm, shade for a few days with coarse litter. Cultivate well and keep out the weeds. For field culture plant in rows four feet apart, with plants one foot apart in the row. For garden culture, plant three feet by one foot. Turn runners the direction of the row. When ground freezes, mulch

with light coat of straw. Remove the mulch in the spring and cultivate. (B) Perfect flowers—can be planted alone. (P) Pistillate, imperfect flowers—must have some marked (B) mixed with them, as close as one row in three.

**BEDERWOOD.** (B) This is generally considered to be one of the very best early varieties for home use or market. It is a splendid grower, making a large number of strong runners. It has a perfect blossom and is exceptionally productive. The fruit is of good size, light red, medium firmness and good quality. One of the best to plant with Warfield.

**EARLY OZARK.** (B.) A very promising strawberry form Missouri. It is a cross between the popular varieties Aroma and Excelsior. The large berries are almost round and bright red in color. The plant is a grand grower with healthy large, dark green foliage, and exceedingly prolific. This variety has been tested here for several seasons and proven very satisfactory. Excellent shipper. 35c per doz.; \$1.35 per 100; postpaid. By express, \$1.00 per 100; \$6.50 per 1,000.

**BRANDYWINE.** (B.) (See cut.) This variety has proven so satisfactory with all who have grown it that it is consequently in large de-



BRANDYWINE

mand. It is comparatively new and of great value by reason of its productiveness, large size, beauty and good quality, which renders it especially desirable for the home garden. The berries are a glossy crimson, very handsome, firm, solid and excellent in quality with a fine flavor. The plant is remarkably vigorous, hardy and exceedingly productive. It is a mid-season to late variety and is excellent to plant with Warfield. 35c per doz.; \$1.35 per 100; postpaid. By express, \$1.00 per 100; \$6.50 per 1,000.

**SENATOR DUNLAP.** (B.) Plant resembles Warfield, rampant runner, should be restricted in its production of plants; fully equal to Crescent and Warfield in its ability to succeed under all circumstances. Fruit good size, regular form, beautiful bright red, glossy, firm, splendid, excellent quality, one of the best for canning; ripens early and continues a long time.

**WARFIELD.** (P.) This variety stands next to the Senator Dunlap, being quite similar in shape and size. However, Warfield is a sour berry and a little deeper in color, thus making it one of the very best for canning. It also holds its color in the cans, which is a very strong point in its favor. While the individual plants are quite small, it is remarkable the number of quarts produced by a lightly matted row on good, strong soil.

Price of all except Brandywine and Ozark: Per dozen, 30c; \$1.10 per 100; postpaid. By express, 75c per 100; \$5.00 per 1,000.



OUR STURDY PLANTS





PROGRESSIVE

## FALL BEARING STRAWBERRIES

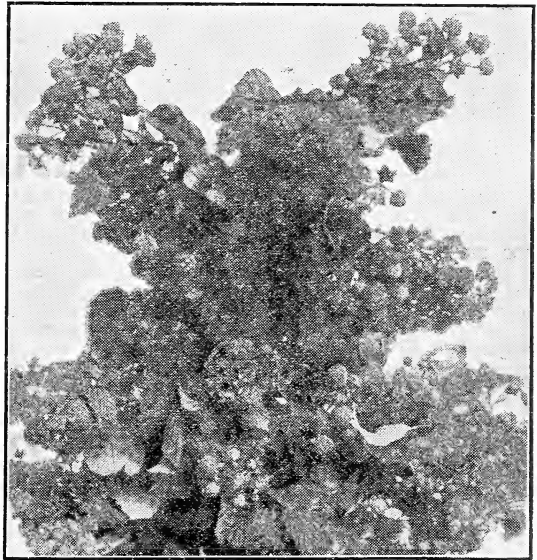
**SUPERB.** This is the most wonderful everbearing strawberry ever produced. It is healthy and a strong grower, very productive from May until hard freezing weather. Fruit holds up well in wet weather. Size medium to large, very firm, uniform shape, bright red, through and through. Fruit is protected from frost by heavy foliage. The berries literally lay about in heaps, has a native wild strawberry flavor. It has been thoroughly tested, and seems to succeed everywhere.

**PROGRESSIVE.** The fruit and plants closely resemble the Dunlap in appearance. The

fruit is medium size, dark red inside and out, blossoms strongly staminate, nearly every one makes a berry. Bloom and fruit well protected by foliage; a most valuable feature. The plants produce more runners and new plants than any variety of fall bearing strawberries we know of. It produces good paying crops in the fall of both the first and second years. Price of all Fall Bearing Strawberries 5c each; 50c per doz; 25 for 90c; postpaid. By express, 25 for 75c; 100 for \$2.50; 500 for \$10.00.

## EVERBEARING RED RASPBERRIES

**ST. REGIS.** Plants set early in April gave berries June 20th of the same year, and the canes continued to produce ripe berries freely, until the middle of October. In addition to the bright crimson color and large size of the fruit, it is so firm and rich in sugar that it will stand shipping 200 miles, can readily be kept in perfect condition for several days after being gathered. It succeeds upon all soils, whether light and sandy or cold and heavy clay, and the canes are absolutely hardy.



EVERBEARING RASPBERRY

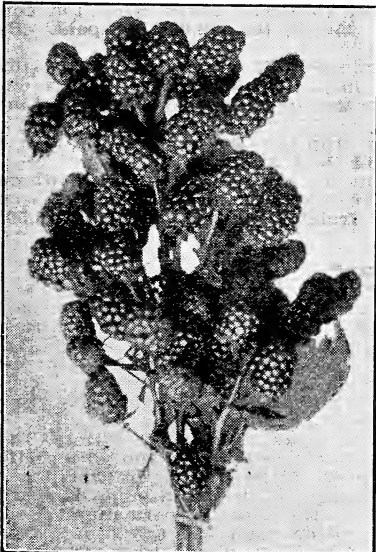
## EVERBEARING BLACK RASPBERRY

**KING OF CLIFFS.** This is a wonderful Black Raspberry and will actually bear fruit from June until killed by frost in the fall. The vines are literally loaded with fruit in all stages, from bloom to ripe fruit. It creates a great surprise wherever grown, for it has no equal and will be appreciated wherever grown. Price of Everbearing Red and Black Raspberries 15c each; \$1.50 per doz.; 25 for \$3.00; postpaid. By express, 25 for \$2.25; 100 for \$7.50; 500 for \$30.00.

**SCARFF BLACK CAP RASPBERRY.** This is without doubt the finest black cap raspberry in existence. It was first introduced by Mr. Scarff last season and has proven to be more than he claimed for it. It produces far ahead of any black cap grown, and is much larger in size than the Cumberland. It is absolutely hardy. Canes free from disease and strong upright growers. The canes are cleaner by far than any raspberry we have ever seen, and stands heat and drought better. Good strong plants 15c each; \$1.50 per doz.

**GIANT HIMALAYA BERRY.** Like Blackberries, they are quite tart before they are fully ripe, but very sweet and rich when matured. They are borne in enormous clusters of large sized berries, which ripen about August 1st and bear until October. Price 12c each; 10 for \$1.00; postpaid. By express, 10c each; 10 for 75c; \$6.00 per 100.

The law is such that we cannot ship nursery stock into Wyoming.



HIMALAYA





## Beautiful Lawns

A rich velvety lawn with a background of Beautiful Ornamental Shrubs enhances the value of a home and gives to it the natural artistic setting that we so much admire. We can furnish all Ornamental Shrubs, Vines and other plants to make your home as beautiful as the above.

**TO MAKE A GOOD LAWN.** Nothing is more easily made and kept in order by a little well directed care. To get grass seed up quickly and evenly the surface must be mellow and level with at least six inches of good black soil. Sow one pound of **Griswold Special Lawn Mixture** to every 400 square feet and rake the seed in and roll well, or use a wide board until soil is uniformly firm. If the soil is clayey, cover the surface with a light coating of our **Lawn Fertilizer**. To keep the lawn beautiful, it must be frequently mowed. In hot, dry weather it is better to mow the lawn and not remove the clippings, as these will gradually form a thin mulch which will hold moisture, and protect the roots from the hot sun. Never water a lawn when the sun is shining brightly upon it. The best time for watering is late in the afternoon or evening.

## Lawn Seed

**LINCOLN BRAND LAWN GRASS MIXTURE.** A mixture adapted to our hot, dry climate. It is composed of Blue Grass, White Clover, and several other best lawn grasses. Some of these come early, some grow best during the summer, some grow well in the shade while others make their growth in the fall. In this way one has green grass the whole season. This mixture will make a rich, deep green, velvety lawn, with a close, thick turf, in a few weeks' time, and one that will last much better than if sodded. One pound covers 400 square feet (a space 20x20 feet) for new lawns, and half this amount for re-seeding old ones. Per lb. 45c; 5 lbs. \$2.00; postpaid. By freight, 1 lb. 40c; 5 lbs. \$1.75.

**SPECIAL DRY WEATHER LAWN MIXTURE.** This mixture is composed of grass seeds especially adapted to the hottest and driest climate. If you are situated in a particularly hot or dry climate we highly recommend this mixture in the fall or early in the spring. Price same as Lincoln Brand.

**FANCY KENTUCKY BLUE GRASS.** Best grade of fancy, clean, new crop tested seed. Per lb. 35c; 5 lbs. \$1.50; postpaid. By freight, 1 lb. 25c; 5 lbs. \$1.00; bu. (14 lbs.) \$2.65.

**WHITE CLOVER.** This is just the seed to sow on the bare spots in your yard or lawn where a very quick green covering is desired as it will cover better in ten days' time than grass seed will cover in two months. 85c per lb.; postpaid. By express or freight, 75c per lb.; 5 lbs. \$3.50; 10 lbs. \$6.50.

## Lawn Fertilizer

**SWARD FOOD.** For lawn use, cemetery purposes or public grounds; it is splendid feeder for turf, and quick in the result. It is free from any unpleasant odor. Its action is quick and lasting. Apply early in the spring to start the grass; it will fairly make it jump for joy. Sprinkled on earth where ornamental or fruit trees have been dug around, it is soon washed into the ground and taken up by the roots, giving beneficial and marked results to fruit and leaf. Vegetables and flowers may be treated with like results. It makes flowering vines of all sorts grow with great rapidity. 5 lbs. (enough for 400 square feet) 25c; by express or freight.

**SPECIAL LAWN FERTILIZER.** Composed of pulverized sheep manure and chemical fertilizer. The sheep manure is put through a heating process that not only eliminates the odor and turns it to a fine, pulverized mass, but it also kills all weeds. 100 lbs. (covers 30x30), \$1.75; by freight.

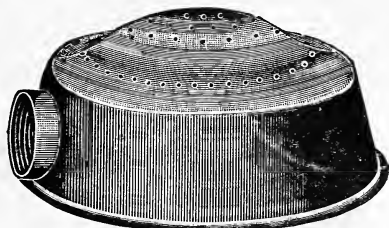
**LAWN BONE FERTILIZER.** Composed mainly of fine, ground bone. It is clean and dry and furnishes just the desired element for young plants, and gives to the grass a permanent, rich, green color. On new lawns it can be sown same time as the seed, and on old lawns any time in the early spring. It furnishes the same nourishment as manure. One hundred pounds covers surface 30x30 feet. 25 lbs. 90c; 50 lbs. \$1.75; 100 pounds. \$3.35; by freight.



# Lawn Supplies



**TUXEDO.** A universal favorite. Top brass; base steel. Price postpaid, 65c; not postpaid, 50c.

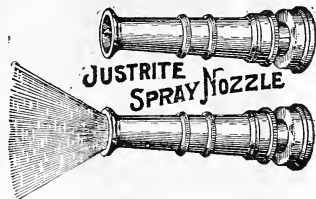


**PERFECTION.** As gentle and even as the rain drops. Top made of brass; bottom heavy galvanized iron. Price, postpaid, 60c; not postpaid, 45c.

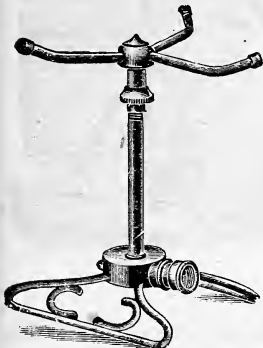
**BUSY.** As the name implies, is always busy. Top, galvanized iron, base steel. Price, postpaid, 80c; not postpaid, 65c.



**THE "FOUNTAIN" LAWN SPRINKLER**  
One of the Really Good things. Made entirely of brass. No moving parts. Nothing to get out of order. More beautiful than a fountain; more efficient than a shower. Price, postpaid, 80c; not postpaid, 65c.



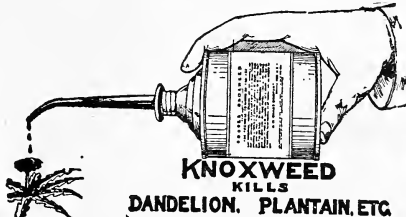
**JUSTRITE NOZZLE**  
Regular Hose Nozzles. Price, postpaid, 35c; not postpaid, 30c.



**ANACONDA.** One of the best Lawn Sprinklers. Arms can be adjusted to throw the water any distance desired. Price, postpaid, \$1.15; not postpaid, \$1.00.



**LAWN ROLLER**  
15 in., weight 150 lbs.  
Price, \$7.50

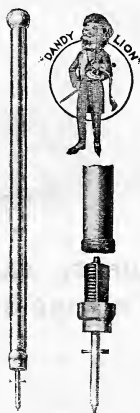


**KNOXWEED KILLS DANDELION, PLANTAIN, ETC**



## THE IDEAL DANDELION KILLER

This new Dandelion Killer is a tube 1 inch in diameter and 38 inches long. It has a screw cap at the bottom for filling and a valve which lets out about one teaspoonful of liquid to each plant. Simply fill the tube with gasoline and you can kill the dandelions as fast as you can walk around over your lawn. Price, postpaid, \$1.40; not postpaid, \$1.25.



## KNOXWEED

Kills dandelions, thistles, plantain and other noxious weeds, that are annoying on lawns or farms. Easy to use and is thorough. Kills all weeds that it comes in contact with. Price, small can, postpaid, 60c; not postpaid, 50c; large can postpaid, \$1.00; not postpaid, \$1.50.

## CLEVELAND LAWN WEEDER

A simple working device for ridding lawns of all weeds. Dandelions and Plantains are easily killed by its use. It gets at the root of the evil and removes it bodily. Handle 4 ft. long. Price, postpaid, 75c; not postpaid, 55c.



## FULLY GUARANTEED LAWN HOSE

Testoide Non-Kinkable Hose  
Light—Strong—Flexible

An indestructible moulded hose for Lawn, Greenhouse, Stable, Garage. Of braided construction; cannot unwrap, kink or burst. Made in continuous lengths up to 500 feet, which gives you any length you want and avoid leaky couplings. Price, 1/2 inch size, per ft. 13c; 3/4-inch size, per ft. 15c.

## REGULAR GUARANTEED HOSE

Will be replaced if not satisfactory

1/2-in. Griswold's Lincoln Brand, 50 ft.	\$4.00	3/4-in. Griswold's Jasonoide, 50 ft.	\$1.00
1/2-in. Griswold's Lincoln Brand, 50 ft.	4.50	Hose Menders with Bands, each	5c
1/2-in. Griswold's Jasonoide, 50 ft.	3.00	Hose Gaskets (rubber washers) doz.	10c pd





# Sprayers

## EXTENSION PIPES

8-foot Iron Extension Pipe.....	50	10-foot Bamboo Extension Pipe with cut-off.....	\$3.50
8-foot Bamboo Extension Pipe, with cut-off.....	\$3.00	12-foot Bamboo Extension Pipe with cut-off.....	\$4.00

## IMPROVED BARREL SPRAY PUMP

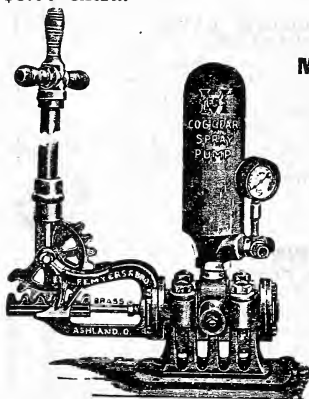


**No. 305B.** This pump is made in a first-class manner. All parts that come in contact with the liquid are of heavy brass. It can be easily and solidly bolted to any barrel. The air being compressed into the air chamber with a 2-inch all brass cylinder, makes the spray continuous. A mechanical agitator and small jet of liquid from the pump keeps the ingredients thor-

oughly agitated. It sprays whitewash, kalsomine, water, paints and any other liquid. Fitted with 15 feet of best 5-ply rubber hose, and graduated Vermorel nozzle complete as cut (except barrel). Price \$10.50.

## MYER'S DUPLEX BACK GEARED DOUBLE ACTING SPRAY PUMP

**No. R-309.** This is built especially for heavy spray work. The 2-inch cylinder is brass-lined. The plunger is brass, hemp-packed, and piston rod is brass. You can use any material, hot or cold. It is fitted with large air chamber pressure gauge, 6-foot bound suction hose, two 8-foot extension pipes, and two Vermorel or Bordeaux nozzles. Can be used on floor or barrel as the motion of handle is either perpendicular or horizontal. Price \$22.50. 30 feet of heavy hose for \$5.00 extra.



NO. R-309

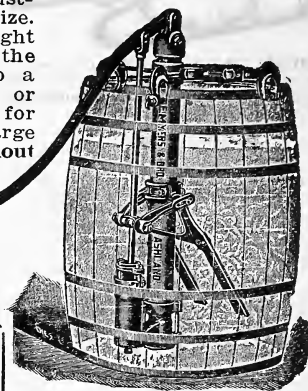
## MYER'S DUPLEX BACK GEARED DOUBLE ACTING SPRAY PUMP

**No. 445.** It is built strong for heavy pressure work. The 2½ inch heavy brass plungers have a 3-inch stroke in the vertical, all-brass cylinders. All working parts that come in contact with the liquid are made of brass. The air chamber is 8x16 inches. This insures a steady pressure when used with large power nozzles. It is regularly equipped with belt pulley. If wanted with gear wheel give size of crank shaft on engine. Fitted with relief valve, pressure gauge, double cut-off discharge, 6 feet of wire-bound

suction hose, two 8-foot pipe extensions and two power nozzles. No discharge hose. Price, \$60.00. A SPECIAL PIPE to fit Nos. 27, 329, 307 and for Myers' Knapsack, for spraying under leaves of Musk Melons or Cucumber Vines, 50c each.

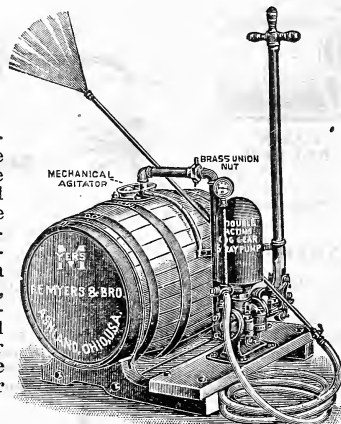
## O. K. SPRAY PUMP

**No. 307.** For hot, cold or any kind of mixture. Has a mechanical agitator solid brass ram plunger, round bevel valve and seat. A strictly reliable, first class pump for spraying orchards or potatoes. Easily adjusted to barrel of any size. Handle is of wrought steel, so as to enable the operator to get up a pressure of 200 lbs. or more. It is fitted for 2 strings of discharge hose. Price without hose or nozzle, as cut (without barrel), \$15.00. Two 15-ft. discharge hose and 2 graduated nozzles, \$6.35 extra.



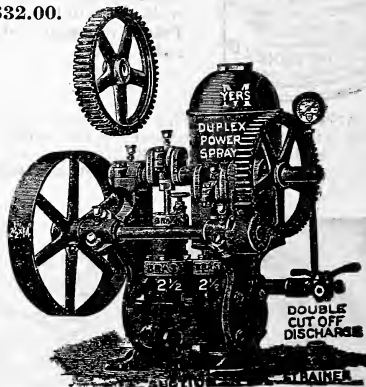
NO. 307 O. K.

FOR SPRAY  
MATERIALS  
Page 113



NO. R-316-B

**No. R-316-B.** This is a pump same as No. R-309 with 50-gal. bbl. mounted on skids with pressure gauge. One 15-foot lead of ½ inch 7-ply discharge hose, 1 Fembro Nozzle, one 8-foot pipe extension with lever shut-off, and mechanical agitator. Special features of this outfit are Cog Gear Movement, Increased Leverage, Device for spraying under heavy pressure. Mounted complete, occupying smallest space. Capacity sufficient for 8 nozzles. Well adapted for spraying potatoes or other vegetables in rows. Price, complete, \$32.00.



NO. 445

**SPRAYERS SHIPPED BY FREIGHT OR EXPRESS AT YOUR EXPENSE**



## Sprayers—Continued

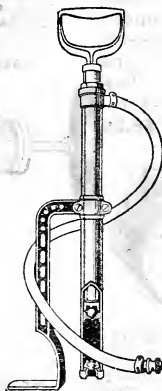
### COG GEAR BARREL SPRAY PUMP

No. R-318 has bronze ball valve and brass seats. The plunger is brass fitted with hemp packing. Will handle hot, cold or any caustic mixture. The cylinder discharge pipes are all brass. The air chamber is 32 inches in length, enabling the pipe to throw a uniform, constant and elastic spray. It has good leverage, is very powerful and is easily operated. The malleable iron base fits an 8x8 inch hole. Price without hose or nozzle or barrel, \$9.50. Fitted with one lead of 15 ft. hose with graduating vermored nozzle, \$12.00.



### MODOC

This pump is all brass except the foot piece and handle. The cylinder and plunger are made of heavy, seamless brass tubing. The plunger is hollow, thus forming an air chamber which insures a steady flow of liquid and is packed in cotton wick and can be quickly changed when necessary. The valves are brass balls. The foot piece holds the pump firm in the bucket or pail in just the proper position for work. The pump is equipped with 3 feet 3/4-inch hose attached with clamps. Price \$3.00.



MODOC

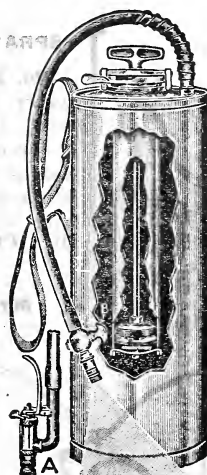
### NURSERY STOCK

See Pages 100-107

### PERFECTION SPRAYER

Built on the best lines, of high grade material and with the idea of turning out a sprayer which has none of the faults and defects so common in many Knapsack sprayers. The hose is attached to the sprayer at an angle so that it will not kink and become cracked and broken. The shoulder strap is attached with snaps and can be quickly and easily removed. The hose is 3/4-inch 5-ply cloth inserted and is equipped with our automatic shut-off nozzle. This sprayer will handle Whitewash, Water, Paints, Bordeaux Mixtures, etc., perfectly. These sprayers are made in galvanized steel or brass as ordered. All sprayers tested to 60 pounds before leaving factory.

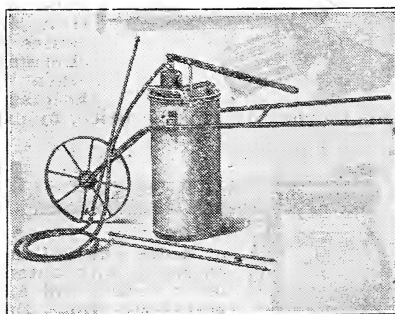
Galvanized Steel.....\$5.50  
All Brass.....\$8.25



PATENTED.  
PERFECTION

### IDEAL SPRAYER OUTFIT

This is just the sprayer for small fruit, small orchard, and an ordinary size patch of potatoes. The tank is made of galvanized iron and holds 15 gallons. The extension pipe can be held and pump worked with one man. The iron pump is equipped with a large air chamber which maintains the uniform pressure. It has a mechanical agitator and brass ball valves. It is complete with 10 feet 3/4-inch pressure hose; 10 feet of extension pipe in 3 pieces; and Brandt Ideal Nozzle. Price \$18.00.



IDEAL

### KANT KLOG

The sprayer holds over 4 gallons. The air pump is made of heavy brass 2 inches in diameter. A safety valve is provided. Special attention is called to the new "Kant Klog." The first and only nozzle ever made which gives both flat and round sprays or solid sprays. A light pressure of the thumb starts the spray instantly. Remove it and the spray stops instantly. Price, Galvanized Steel and 3 feet brass extension rod, \$5.75; Polished Brass and 3 feet brass extension rod \$7.25.



KANT KLOG

### SPRAY YOUR TREES

WRITE FOR COMPLETE SPRAY CATALOG OF  
SPRAYERS, SPRAY MIXTURES AND SPRAYING CAL-  
ENDAR.

SPRAYERS SHIPPED BY FREIGHT OR EXPRESS AT YOUR EXPENSE



## Sprayers—Continued

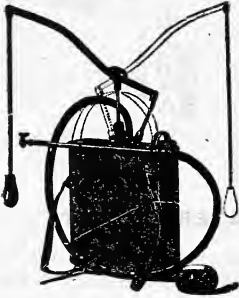
### SPRAYER AND PAINT MACHINE

No. 329. Sprays whitewash, cold water, paints or any liquid. Galvanized tank holds 7 gallons. Pump is made of brass with brass ball valves and malleable handle. It has a patent double agitator and is a most complete and serviceable outfit. Price .....\$9.00



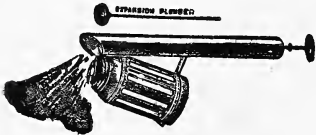
### MYERS' KNAPSACK SPRAY PUMP

No. 330. The tank holds 5 gallons. The pump has a large air chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with handle, so the operator can set the knapsack on the ground and work as a bucket pump. The handle lever can be shifted from right to left shoulder at will. Price \$8.50

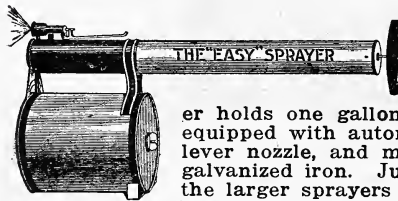


### NEW MISTY

Made of heavy tin; has the same size air chamber as our other styles, and the reservoir holds about one quart, and throws a single spray straight ahead. Price, by express.....50c



No. 20. Tank consists of a Mason fruit jar. Its shape causes it to give a churning motion when in use thus keeping the ingredients thoroughly mixed. Price, by express.....75c



### BRYANT EASY SPRAYER

This sprayer holds one gallon of liquid, is equipped with automatic shut-off lever nozzle, and made of heavy galvanized iron. Just as good as the larger sprayers only for size. Price, by express.....\$1.90



### DICKEY DUSTER

For use in applying dry insect powder. Price, by express, each.....25c

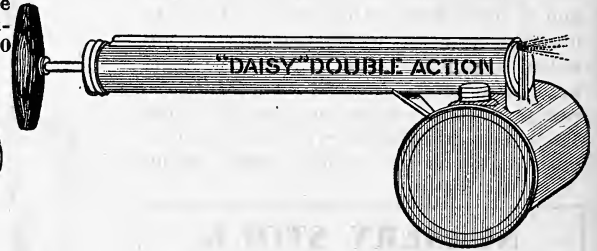
### LITTLE GIANT

No. 27. A Brass Spray Pump, complete with agitator, hose, fine and coarse spray and solid steam nozzle, with malleable foot rest. Will throw a stream 50 feet. This is a first class all around sprayer, 28 inches high, made of 1½-inch brass tubing. Price .....\$3.25



### THE ACRE-AN-HOUR SIFTER

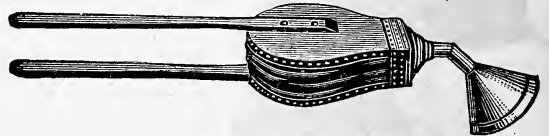
is ideal for applying BUG DEATH and other dry insecticides. Price, by express, 75c.



### THE DOUBLE DAISY

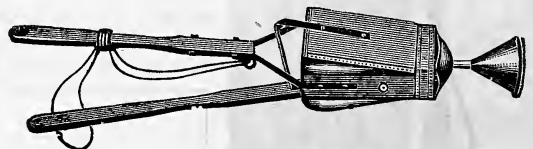
Sprays both ways. Push the plunger in and it sprays. Pull the plunger out and it sprays. Made out of galvanized iron and holds 1 quart. Does anything that any other sprayer will, and does it twice as fast.

Price, by express.....\$1.00



### ACME POWDER GUN

Sprays and powdered insecticide. It weighs 1½ pounds. Price, by express.....\$1.00



### ACME DOUBLE POWDER GUN

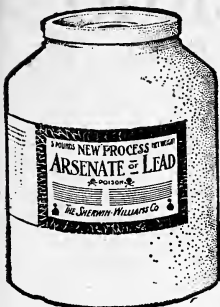
Similar to the single but holds twice as much and works much faster. Made out of the best material. Price, by express.....\$1.50

**SPRAYERS SHIPPED BY FREIGHT OR EXPRESS AT YOUR EXPENSE**



# Spray Mixtures and Insecticides

ALL OF THESE GOODS BY FREIGHT AT YOUR EXPENSE UNLESS  
POSTPAID PRICES ARE GIVEN



## ARSENATE OF LEAD

**S. W. Brand** Arsenate of Lead is more sticky than any other insecticide, and is used where it is desirable that the poison should remain on the foliage. It positively will not burn. Use two pounds of Arsenate of Lead to 50 gallons of water. We sell only the best. Price, 1 lb. 30c; 5 lbs. \$1.25; 12½ lbs. \$2.25; 25 lbs. \$4.00; by express.

## KEROSENE EMULSION

This is a safe and sure remedy to kill all sucking insects, that is those which get their nourishment through a proboscis, which they insert into the leaves or bark. Price qt. 55c; gal. \$1.10; by express.

## WHALE OIL SOAP

It effectually destroys the mealy bug and almost all lice on indoor and outdoor plants. Simply make a suds and spray the plants with it. Price 1 lb., postpaid 45c; not postpaid 35c; by express, 2 lbs. 65c; 5 lbs. \$1.50.



## BORDEAUX MIXTURE

**S. W. Brand**

In pulp, add 49 gallons of water to each gallon of Bordeaux Mixture and spray all fruit trees before buds are open and again after the fruit has set. Potatoes will yield twice as much if sprayed with this mixture and Paris green or Arsenate of Lead. Price pt. 25c; qt. 40c; 5 lb. jars, 70c each; 25 lb. steel cans, \$2.75; by freight or express.



## PERFECTLY SATISFACTORY

Cedar Co., Nebr., Mar. 28, 1916.

Dear Sirs:

The goods in your recent package proved perfectly satisfactory, as have all the other goods which I have ever received from Griswold's, and I have sent there for several years.

Yours truly,  
MRS. R. E. FARNAM.

## TOBACCO DUST

One of the best remedies for green and black aphids, fleas, beetles, etc., also for insects in the ground. Price 1 lb. postpaid 20c; not postpaid, 1b 10c; 5 lbs. 35c; 10 lbs. 60c; 50 lbs. \$2.50; 100 lbs. \$4.50.

## BLACK LEAF 40

is a concentrated solution of nicotine sulphate and is guaranteed to contain 40% of nicotine by weight. It is one of the best contact poisons, being highly recommended by experiment stations and by spraying experts. Owing to its large dilution it will not stain. "Black Leaf 40" cannot be sent by parcel post. Price 1 oz. bottle 25c; ¼ lb. 75c; 2 lbs. \$2.50; 10 lbs. \$10.75.

## SULPHO-TOBACCO SOAP

Is a powerful agent for the destruction of all bugs and insects. Of special value for spraying roses, shrubs and vines. One or two applications will rid plants of the pests. Full directions with each cake.

3-oz. cake makes 1½ gallons, 14c; postpaid.

8-oz. cakes makes 4 gallons, 29c; postpaid.

10-lb. cake makes 80 gallons, \$3.00; by express, your expense.



## LIME-SULPHUR SOLUTION

Use one gallon to make twelve gallons of liquid for strongest use, or 24 gallons for summer spraying. For San Jose Scale spray every part of the trunk and branches after leaves are off in the fall and the tree is dormant, using one part to ten of water. Then again in the spring before the leaf buds open. Better make two sprayings of it if you can, about two weeks apart. Price qt. 30c; ½ gal. 45c; gal. 75c; 5 gal. \$2.25. Ask for price in larger lots.

## BUG DEATH

This is a powder used for killing any bug or worm that eats the foliage or flowers of any plant. It is absolutely harmless to plant or animal life, thus making it a safe poison. Can be used dry or with water. For best satisfaction should be used when the tender shoots first come. Price 1 lb. package, postpaid 20c, not postpaid 18; 3 lb. pkg., not postpaid, 45c; 5 lb. pkg. 60c; 12½ lb. pkg. \$1.15; 100 lb. keg \$8.50.



PRICES OF INSECTICIDES AND SPRAY MIXTURES SUBJECT TO CHANGE



# Spray Mixtures and Insecticides — Cont.

ALL OF THESE GOODS BY FREIGHT OR EXPRESS AT YOUR EXPENSE UNLESS POSTPAID PRICES ARE GIVEN



## STERLINGWORTH CUT WORM KILLER

We now offer **STERLINGWORTH CUTWORM KILLER** as a preparation which is quick and sure in effect and non-poisonous to animals. It is so alluring to Cut Worms that they are irresistibly attracted to it and eat it in preference to any vegetation. Dead

Cut Worms may be seen wherever there are Cut Worms and Sterling Cut Worm Killer has been used. To protect plants in hills sprinkle a small quantity of Killer around the plant. When in rows sprinkle both sides of row. Never sprinkle the plants with Sterlingworth Cut Worm Killer, for the worm will climb for it and is likely to destroy the plant in reaching the Killer. Order Sterlingworth Cut Worm Killer when you buy your seeds and have it on hand ready for use at the right time. The cut worm does most of his damage in one or two nights and he will not wait for you. One pound is sufficient for 175 plants when in hills and 100 lineal feet when in rows. **Satisfaction Guaranteed or Money Refunded.** It is a coarse powder for sprinkling near the plants to be protected. Chickens and birds are not poisoned by it if they eat the dead worms. There is no guess work about it doing the business.

Price, 1 lb., postpaid 35c; not postpaid 25c; 5 lbs. not postpaid \$1.25; 25 lbs. \$4.00; 100 lbs. \$12.00.

## RAT CORN



If you have Rats or Mice use Rat Corn. No matter whether you have one rat or a thousand Rat Corn will do the work. One can of Rat Corn is better than a dozen cats. It mummifies your rodents; they leave no odor; become hard and dry like leather. Is not dangerous to handle. Harmless to human beings. Price, 25c; 50c and \$1.00; **postpaid.**

## GRAPE DUST

Kills Certain Mildews and Blights on Flowers of Fruits, Roses, Chrysanthemums, Violets, Grapes, Gooseberries, etc. **Grape Dust** is a readily diffusible, light-weight powder (Fungicide), very efficient in destroying Mildews and in preventing Blights; also for destroying the Aphids and Black Fly. Against Mildews on Cranberry Cucumber Gooseberry Powdery Mildew of the Grape, Musk Melon, Onion Smut, Rust Mite on the Cabbage, Rust or Mildew on Parsley and on any plant, Grape Dust is a practical, economical and usually effectual remedy. The application is to be made by dusting the diseased portions of the plant. To be thoroughly effectual it must be applied reasonably frequent, as atoms of fungi are always spreading or floating. Apply Grape Dust at the first appearance of trouble, so that some portion of this powder shall reach each minute spore. Apply with bellows, raising a cloud of dust, on a warm, dry day, if possible. It is sold in 1-lb. cartons, 5 and 10-lb. packages; also in 25-lb. bags, 100-lb. kegs and barrels of 225 lbs. net. Price, 1 lb. can with perforated top, 20c postpaid; not postpaid, 1 lb. 15c; 5 lbs. 50c; 10 lbs. 90c.

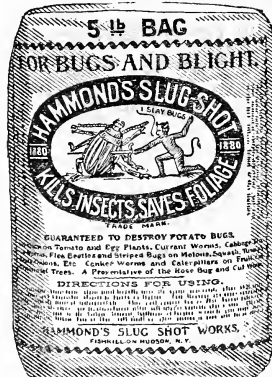
PRICES OF INSECTICIDES AND SPRAY MIXTURES SUBJECT TO CHANGE

## GOPHERGO

(Machine Poisoned Raisins)



It will exterminate gophers, squirrels, prairie dogs, rabbits, and is the only prepared poison that will get a gopher. The government advises poisoning as the most effective and best method of exterminating ground pests, but it must combine three points: An attractive bait, thoroughly poisoned, placed where they will get it. Gophergo does it. Try it, if it doesn't do the work we return your money. Price, 1 lb. can, postpaid 35c, not postpaid 30c; 1 1/2 lb. can postpaid 65c, not postpaid 55c; 3 1/2 lb. can not postpaid \$1.00; 9 1/2 lb. can \$2.50.



## SLUG SHOT

Just dust it lightly on the plants. It kills potato bugs, cabbage worms, melon, squash and cucumber bugs. Non-poisonous and harmless to all creatures except insect life. Price, 1 lb. can, postpaid 20c; not postpaid 15c; 5 lbs. not postpaid 40c; 10 lbs., 75c.

## RAX

### BEST RAT KILLER

You can kill the rats and mice around your place without danger to yourself or domestic animals of any kind. Rax is a preparation containing pure cultures of an active virus which has a deadly effect on mice, rats and field mice, but is harmless to all other animals, poultry, birds and human beings. They eat the bate and are taken with a violent fever, they transmit this to other rats and the rodents die. Don't plan to use a bottle now and then. Use enough bottles at one time to serve all the rats and mice on the place. This is the only really effective method. **Guaranteed to satisfy you or your money back.** Price 50c per bottle; **postpaid.**

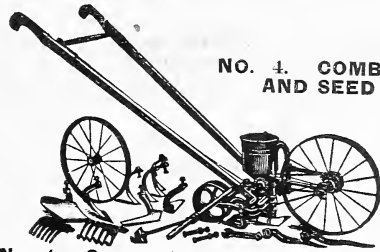


# Iron Age Garden Implements

GARDEN IMPLEMENTS ON THIS PAGE SHIPPED BY FREIGHT OR EXPRESS AT YOUR EXPENSE



**NO. 6 COMBINED DOUBLE AND SINGLE WHEEL HOE, HILL AND DRILL SEEDER.** Packed wt. 57 lbs., price \$15.00.

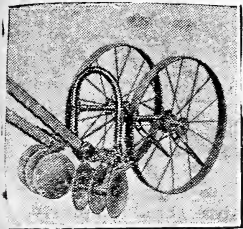


**NO. 4. COMBINED HOE AND SEED DRILL**

- No. 4. Same size and same tool as No. 6, but does not drop in hills.....\$13.75  
No. 5. As a drill only..... 10.00

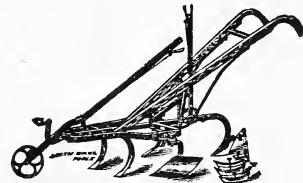
**NO. 600. E. L. HORSE HOE**

- No. 6. Complete (like cut).....\$15.00  
No. 7. As a Hill and Drill Seeder only..... 11.25



**NO. 27 DOUBLE AND SINGLE WHEEL GARDEN DISC CULTIVATOR.** Wt. 41 lbs. Price \$9.50.

Same as No. 1, except it has discs in place of side hoes and rakes. Adjustable for width, depth and angle.



Complete (like cut), \$8.60

- No. 600. E. P. like 600 E. L. but with plain wheel..... 8.00  
No. 607 E. P. like 600 E. L. without side plows.....\$7.65

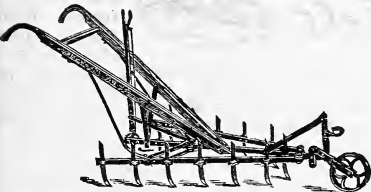
**NO. 19. WHEEL PLOW AND CULTIVATOR**



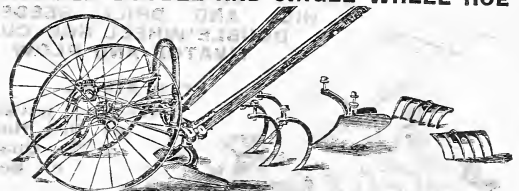
The wheel is made of steel, 24 inches high, and is very strong. The tire is 1 inch in width. The frame is made of steel throughout. The handles are made of best oak.

Price complete with 5 tools.....\$4.00

**NO. 1014 E. P. COMBINED HARROW AND CULTIVATOR**



Price with lever expander as in cut, \$6.90.



**NO. 1. DOUBLE AND SINGLE WHEEL HOE**

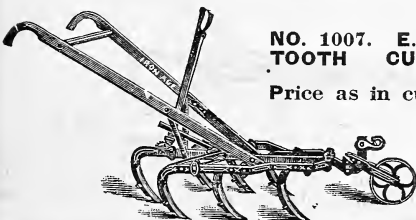
Packed weight, 40 lbs.

- No. 1. Complete (like cut), 10 tools.....\$8.75  
No. 3. Side Hoes only, 2 tools..... 5.50  
No. 13. Side Hoes and Teeth, 6 tools..... 7.00

**NO. 1005 E. P. FIVE TOOTH CULTIVATOR**

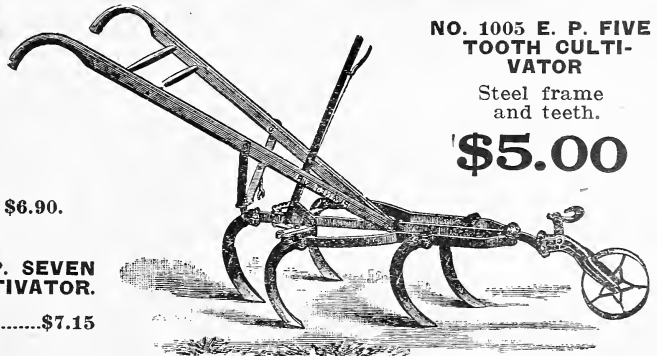
Steel frame and teeth.

**\$5.00**



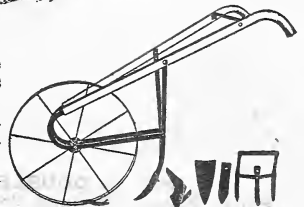
**NO. 1007. E. P. SEVEN TOOTH CULTIVATOR.**

Price as in cut.....\$7.15



**SUPERIOR NO. 2**

In this plow the center of weight falls directly over the pivoting point, making it self-balancing. Height of wheel, 24 inches. Price, with 5 steel tools as in cut.....\$2.50



ASK FOR SPECIAL IRON AGE CATALOGS OF HAND TOOLS, HORSE TOOLS, SPRAYERS. POTATO PLANTERS AND DIGGERS.



# Planet Jr Garden Tools

## NO. 31 PLANET JR. COMBINED DRILL, SEEDER, WHEEL HOE, CULTIVATOR AND PLOW



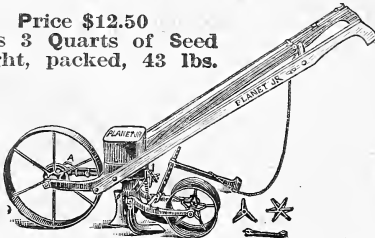
PRICE \$8.50  
Weight  
35 lbs.

New this year. An accurate seeder and a first class single wheel hoe at a low price.

## NO. 3 PLANET JR. HILL AND DRILL SEEDER

Price \$12.50  
Holds 3 Quarts of Seed  
Weight, packed, 43 lbs.

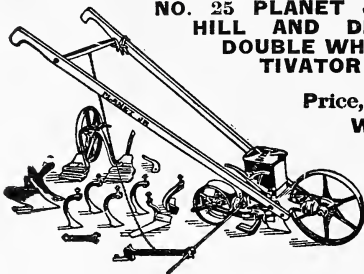
A favorite among onion growers, market gardeners and seedmen.



The hill dropping is simple and reliable; making hills either 4, 6, 8, 12 or 24 inches apart. Changes of distance between hills may be made in less than a minute, by substituting one gauge wheel for another.

## NO. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW.

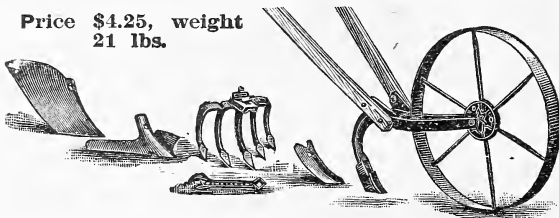
Price, \$16.00.  
Weight, packed, 61 lbs. Holds 2 1/2 Quarts of Seed.



The simplicity of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical. Two acres a day can easily be worked with this implement, and when it is done, it will be a better job than several men could have done in the same time with hand hoes.

## NO. 19 PLANET JR. SINGLE WHEEL HOE CULTIVATOR AND PLOW

Price \$4.25, weight 21 lbs.



This attractive implement is especially designed for the farmers' garden work. It is a cheap and effective tool for wheel hoe operations. It is equipped with one 2-inch cultivating tooth, one 10-inch sweep, one plow and one 5 prong cultivator attachment. It has a 15 inch all steel wheel.

**NO. 13 DOUBLE WHEEL HOE**  
Price, \$6.00. Weight 28 lbs. 6-inch hoes only.

## NO. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

Price, Complete, \$13.25  
Weight, 50 lbs.

As a Seeder Only, \$10.75

Holds 2 1/2 Quarts of Seed. Plants in hills 4, 6, 8, 12 or 24 in. apart. For use as a cultivator, the drill parts are removed and the tool frame

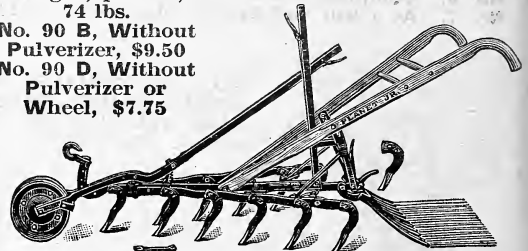
substituted by changing but one bolt; it is then a perfect single wheel hoe, with a variety of tools, and a rapid change frame, with side extension for hoeing both sides of a row at one passage.

## PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER

No. 90 Complete, with Steel Wheel, \$11.50  
Weight, packed, 74 lbs.

No. 90 B, Without Pulverizer, \$9.50

No. 90 D, Without Pulverizer or Wheel, \$7.75



Gardeners cultivate better than formerly. It has been found to pay best. With the Twelve-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake.

## NO. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW. Price, \$8.75. Weight 33 lbs.

We offer these Wheel Hoes as the highest type of their class. They have a great variety of tools which adapt themselves to a large variety of work, and there is scarcely any garden culture of which they are not capable.



## NO. 103 PLANET JR. COMBINED HORSE HOE AND CULTIVATOR

Price \$8.25. Weight 60 lbs.

No other cultivating machine is so widely known as the Planet Jr. Combined Horse Hoe



and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

## NO. 17 SINGLE WHEEL HOE

Price \$5.50. Weight, 21 lbs.

The pair of 6-in. hoes, three cultivator teeth and leaf lifter go with it, are all the finest of their kind.



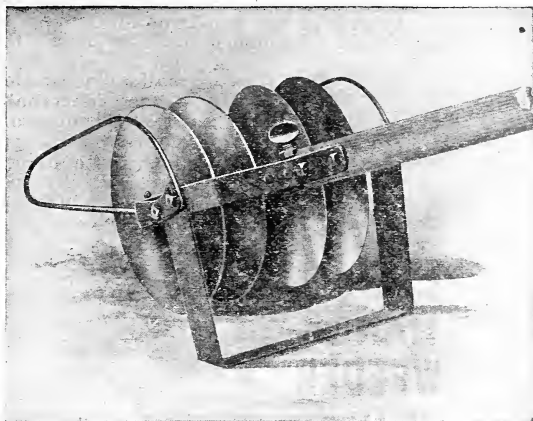
**STAR PULVERIZER, LEVELER and WEEDER**



Price  
\$3.50  
Weight  
10 lbs.

This tool is especially adapted for preparing the seed bed much more thoroughly and rapidly than any other garden rake. The rear blade cuts 13 1/2 inches. Levels the

ground perfectly. It is a fine tool to use after the crop is started, braking the crust, cutting off the weeds and leaving a fine mulch. It works equally well forward or backward. Price \$3.50; by express or freight.



**PERFECTION**

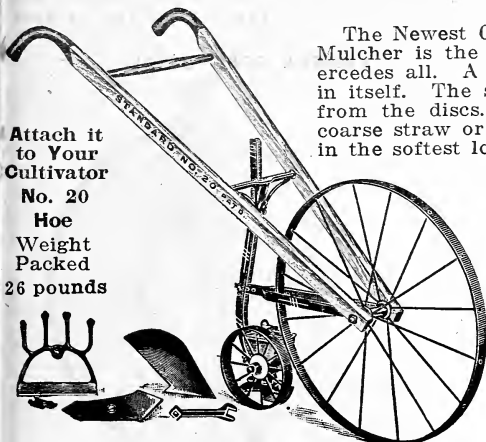
The Newest Garden Cultivator. The new Disc and Knife Weeder and Mulcher is the final evolution in hand cultivators. It excels and supersedes all. A child can work it. It has no attachments, is complete in itself. The stiff wire leaf guards keep the tops of the plants away from the discs. It can be worked in gravel soil, through sticks and coarse straw or stubble of any kind. In stony land it works as well as in the softest loam. Price \$3.50 each; by express.

**A NEW MIDGET DRILL  
Sows All Seeds**

This is just the drill for the little garden. It stands about 8 inches high and will sow a 5c package of seed just as well as larger amounts. Can be attached to a wooden handle and used in a hot bed or green house. Hopper holds 1 pint. The machine is made as good as larger ones. Index shows how to set. Can probably be attached to your cultivator.  
Drill only.....\$3.00  
Price, Cultivator.....\$3.00  
Special price, complete \$5.90



MIDGET DRILL



MIDGET DRILL AND HOE  
NO. 20 HOE

This cultivator has 5 combined tools as shown in cut. Is light, yet strong. All tools made of steel as hard as a saw and nicely polished. Strong, tangent spokes, 24-inch wheel.

**GOOD SUCCESS**

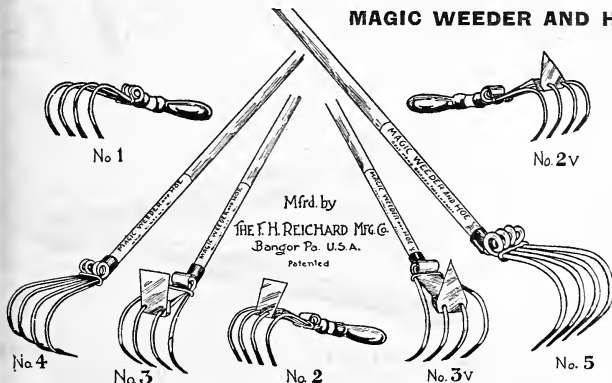
York County, Mar. 20, 1916.

Dear Friends:

We received the seeds and thank you for your prompt shipment and also think the seed is good. We have had good success all these years and hope to send to you for seed for many more years to come.

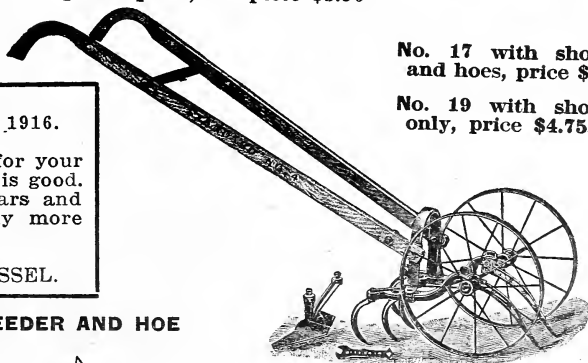
Yours truly,  
MRS. JOHN WESSEL.

**MAGIC WEEDER AND HOE**



The best garden tool on the market. It does the work with half the labor, saving both time and strength. The tongs are formed so as to enter the ground the same as a garden plow, lifting and pulverizing the soil, leaving a dust mulch, thereby holding the moisture, which is so essential to the rapid growth of young plants. From the picture you get an idea of the different styles.

- No. 1 Postpaid, 40c; not postpaid, 30c.
- No. 2. Postpaid, 50c; not postpaid, 40c.
- No. 2-V. Postpaid, 50c; not postpaid, 40c.
- No. 3. Postpaid, 80c; not postpaid, 65c.
- No. 3-V. Postpaid, 80c; not postpaid, 65c.
- No. 4. Postpaid, 67c; not postpaid, 50c.
- No. 5. Postpaid, \$1.00; not postpaid, 75c.



No. 17 with shovels  
and hoes, price \$5.50

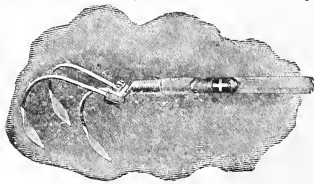
No. 19 with shovels  
only, price \$4.75.



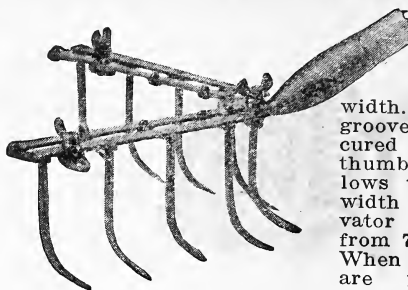
**"NORCROSS" MIDGET WEEDER**

Weight 12 oz. 9-inch handle.

For flowers, low shrubbery and gardens. Unlike cheap made malleable weeders—has detachable steel prongs and same quality and finish as cultivator hoes. Price, postpaid 35c; not postpaid 25c.

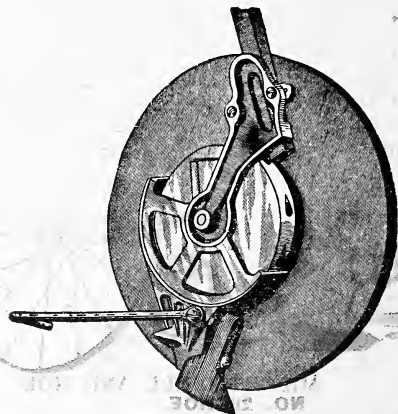
**LANG'S HAND WEEDER****HANDIEST TOOL ON EARTH.**

Price, postpaid, 35c; not postpaid, 25c.

**THE PULL-EASY GARDEN CULTIVATOR**

This hand little garden tool is adjustable to any width. A patented groove slide, secured by handy thumb screws, allows the working width of the cultivator to be varied from 7 to 18 inches. When the plants are young, the middle tooth can be removed by the

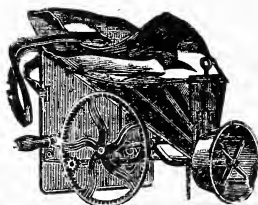
simple loosening of a thumb screw, allowing the plants to be straddled and two rows worked at once. When spread out to its full width it can be used as an ordinary rake. Since it serves as both a rake and a cultivator it can be put to many uses about the yard or garden. Length of handle is 4½ feet. Price, \$1.00; by express.

**EUREKA SEED DRILL**

It will sow and cover Beets, Cabbage, Carrots, Celery, Lettuce, Onions, Radishes, Spinach, Turnips, and all such seeds with the greatest regularity, much better and faster than hand work. It is not a toy, but a strong, practical machine. Of course, when you have a large garden you will want our Iron Age Drill, but for a few vegetables the Eureka is superb. It is the only machine suited to sow in a hotbed. Sows the smallest packet of seeds as well as a large bulk. Price 80c; by express.

**CYCLONE SEEDER**

Simple in construction and easy of operation; has automatic regulator and cut-off, and performs its work perfectly. It is practical. Price, \$1.50; by express.

**CAHOON SEEDER**

The best machine of the kind in the market. The grain is held in a tight sheet-iron hopper surrounded by a bag which will hold a bushel of seed. Price, \$3.25; by express.

**LITTLE GIANT SEEDER**

Will sow anything broadcast and do it right. Price, \$1.75; by express.

**HEDGE SHEARS**

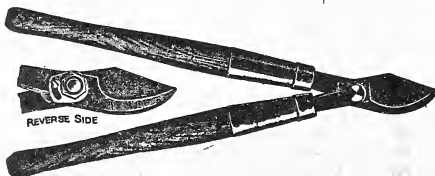
Cast steel, notched, hand finished and burnished handles. 8-inch \$1.35; 9-inch \$1.60; 10-inch \$1.90; by express.

**PRUNING SHEARS, 9-inch forged steel, polished blades,**

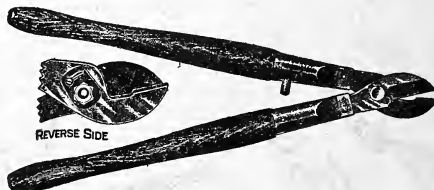
volute spring. Price, postpaid, 80c; not postpaid, 65c.

**WATERS' TREE PRUNERS**

Has cast steel single blade. Wood pole, 6-foot handle, 75c; 8-foot handle, 90c; 10-foot handle \$1.00; by express.



**NO. 136 PRUNER.** The best grade of forged steel. Handles 22 inches long. Price, \$2.00; by express.

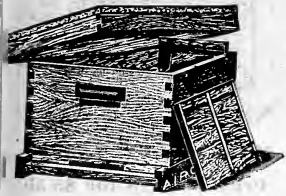


**NO. 9 PRUNER.** A good grade of steel, with polished blades. Price, \$1.00; by express.



# Beekeepers' Supplies

The highest standard of excellency in material and workmanship is found in our beekeepers' supplies. The best is always the cheapest. Our goods are sure to please. Prompt and careful attention given to all orders whether large or small, and mistakes promptly corrected. The following prices are not postpaid. Send for our Bee Catalog, it gives postpaid prices.

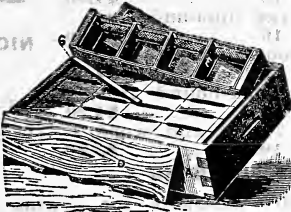


## STANDARD DOVE-TAILED HIVE

One-story ten-frame hive complete with inch foundation starters, nailed and painted .....\$2.85  
One-story ten-frame hive as above in flat .....\$2.15  
Five one-story ten-frame hives as above, in flat.....\$9.75

## SLOTTED-SECTION SUPER.

Comb-honey super with sections 4 1/2 x 4 1/2 inch foundation starters, 10-frame in flat.....\$1.00  
Five, same as above in flat.....\$4.35  
For other styles, see complete catalog.



## BEE VEILS

Globe Veil.....\$1.00  
No. 1 veil, all silk......90  
No. 2 veil, silk face......60  
No. 3 veil, cotton tulle......50  
No. 4 veil, mosquito netting......30



## ROOT SMOKERS

Jumbo (tin) 4-inch barrel .....\$1.25  
Standard (tin) 3 1/2-inch barrel ......85  
Junior (tin) 2 1/2-inch barrel ......55

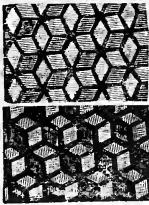
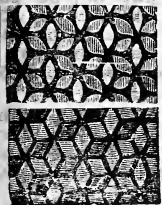


## IMPROVED BINGHAM HONEY-KNIFE

With 8-in. blade.....75c  
With 10-in. blade.....85c



## VEED NEW PROCESS FOUNDATION

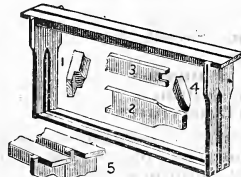


## ONE-PIECE V-GROOVE SECTIONS

Beeway sections 4 1/2 x 4 1/2 x 1 1/4

	A grade	B grade
Per 100.....	\$0.85	\$0.75
Per 250.....	1.75	1.60
Per 500.....	3.00	2.75

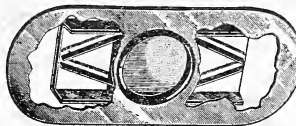
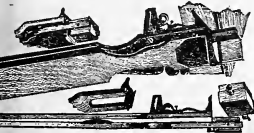
Nails included with all frames in flat



Medium brood.....1 lb. 62c  
Light brood.....5 lbs. 60c lb.  
Thin Super.....62c lb.  
Extra Thin Super.....70c lb.  
75c lb.

## DAISY FOUNDATION FASTENER

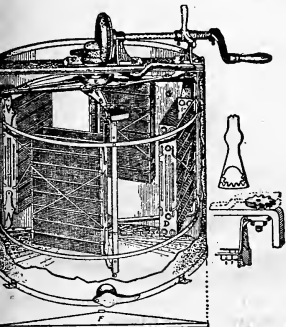
Without lamp.....\$1.00  
With lamp ..... 1.25



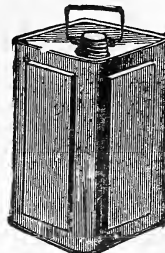
## PORTER DOUBLE BEE ESCAPE

17c each; \$1.85 doz.  
With board.....32c

## ROOT AUTOMATIC EXTRACTOR



No. 25B for 4 L. frames .....\$36.00  
No. 30BF for 6 L. frames, 1 to 1 friction gear for power .....\$51.00  
No. 5B Novice for 2 L. frames.....\$13.00  
No. 15B Cowan for 2 L. frames.....\$17.00  
Special circular on power extractors, mailed free on application.



## HONEY PACKAGES

All sizes, tin and glass.  
See our catalog.



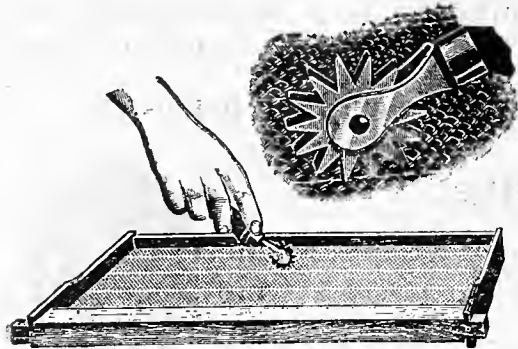
## A B C and X Y Z

Over 700 pages, \$2.50 per copy, postpaid.

SEND FOR OUR 48-PAGE BEE SUPPLY CATALOG



## Beekeepers' Supplies—Cont.



### SPUR WIRE IMBEDDER

Indispensable for wiring frames,  
price .....25c

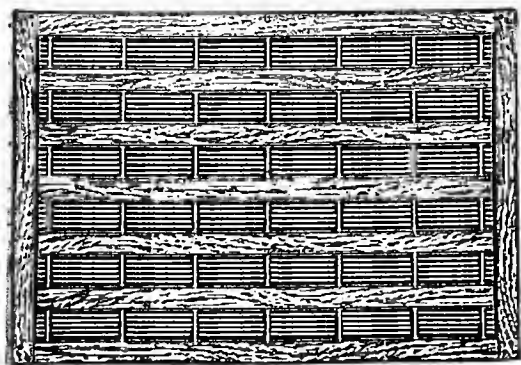
### DOOLITTLE DIVISION-BOARD FEEDER

In flat.....	25c
Miller feeder, in flat.....	35c
Alexander feeder.....	30c
Boardman feeder.....	16c



### WIRE ALLEY TRAP

Price 60c; 10 for \$5.50



### SIZES AND PRICES OF HONEY-BOARD

No. 2—10-frame, large unbound zinc, 16x20. Price of 10.....	\$4.00
No. 21—8-frame, large unbound zinc, 13½x20. Price of 10.....	\$3.60
No. 10—10-fr. wood-zinc, 16½x20. Price of 10.....	\$4.00
No. 12—10-frame, wood-bound zinc, 16½x20. Price of 10.....	\$4.20
No. 4—10-frame 7-wire and wood, 16½x20. Price of 10.....	\$5.00



### NICKLED STEEL HIVE TOOL

Regular length 7 in.....40c

Extra long. 10 in.....50c

### FLOWER SEEDS FOR BEES

Below we offer you seeds of a few flowers specially desirable for sowing to furnish food for honey bees. They are all heavy producers of nectar, bloom quickly and will bloom the first year or seed, furnishing food during spring and summer and until frost.

Adonis .....	pkt. 5c; oz. 25c	Phacelia .....	pkt. 5c; oz. 25c
Alyssum, Sweet.....	pkt. 5c; oz. 25c	Reseda (Mignonette) .....	pkt. 5c; oz. 25c
Asperula .....	pkt. 5c; oz. 25c	Sweet Rocket (Hesperis).....	pkt. 5c oz. 30c
Cleome Pungens .....	pkt. 5c; oz. 35c	Mixed Flower Seeds for Bees, the above in mix- ture, .....	pkt. 5c; oz. 20c; lb. \$1.50
Dracocephalum .....	pkt. 5c; oz. 25c		
Iberis (Candytuft) .....	pkt. 5c; oz. 25c		

We carry a complete stock of Beekeepers' Supplies, only a few of which we have listed on the foregoing two pages. Our illustrated 48 page catalog lists a complete line of the A. I. Root Beekeepers' Supplies with an extended description of each article. The last three pages of the catalog are devoted to a parcel post department. The prices of Beekeepers' Supplies listed on these two pages are not postpaid. If interested in Bees be sure and send for this new free catalog.

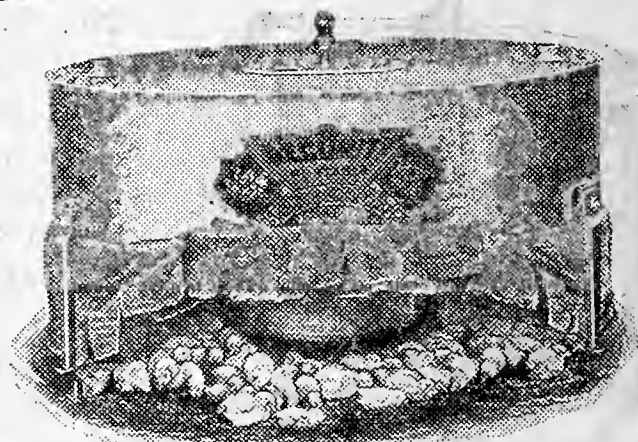
These pages are necessarily limited to a few of the more important items. Write at once for our new free catalog. It gives a complete list of our beekeepers' supplies, bees, queens, and publications.

Send for our 48-page Bee Supply Catalog.

## Poultry Supplies

### Security Brooder

The Security Brooder is the greatest Oil Burning Brooder ever invented. It operates on the same plan as the unmatched Standard Coal Burner. The first and only oil burning brooder to furnish an abundance of heat with perfectly free ventilation. The lamp is not enclosed so it cannot be overheated. This brooder is absolutely free from gas and impure air at all times. It has all the desirable features of the modern coal burner. There is nothing to adjust, nothing to get out of order, nothing to look after except the lamp and that requires filling but once in 24 hours. It is so built that as soon as the lamp is lighted it starts an upward movement of the surrounding atmosphere which is continuous, the heat being radiated from the over-head canopy which slopes downward from the center to the outside edge. The brooder is 30 inches in diameter and has a capacity of from 100 to 150 chickens and a shipping weight of 60 lbs. Sold on 30 days approval. Price \$12.50 by freight or express.



Write for Complete Buckeye Catalog, listing Security Portable Brooders



# Buckeye Incubators

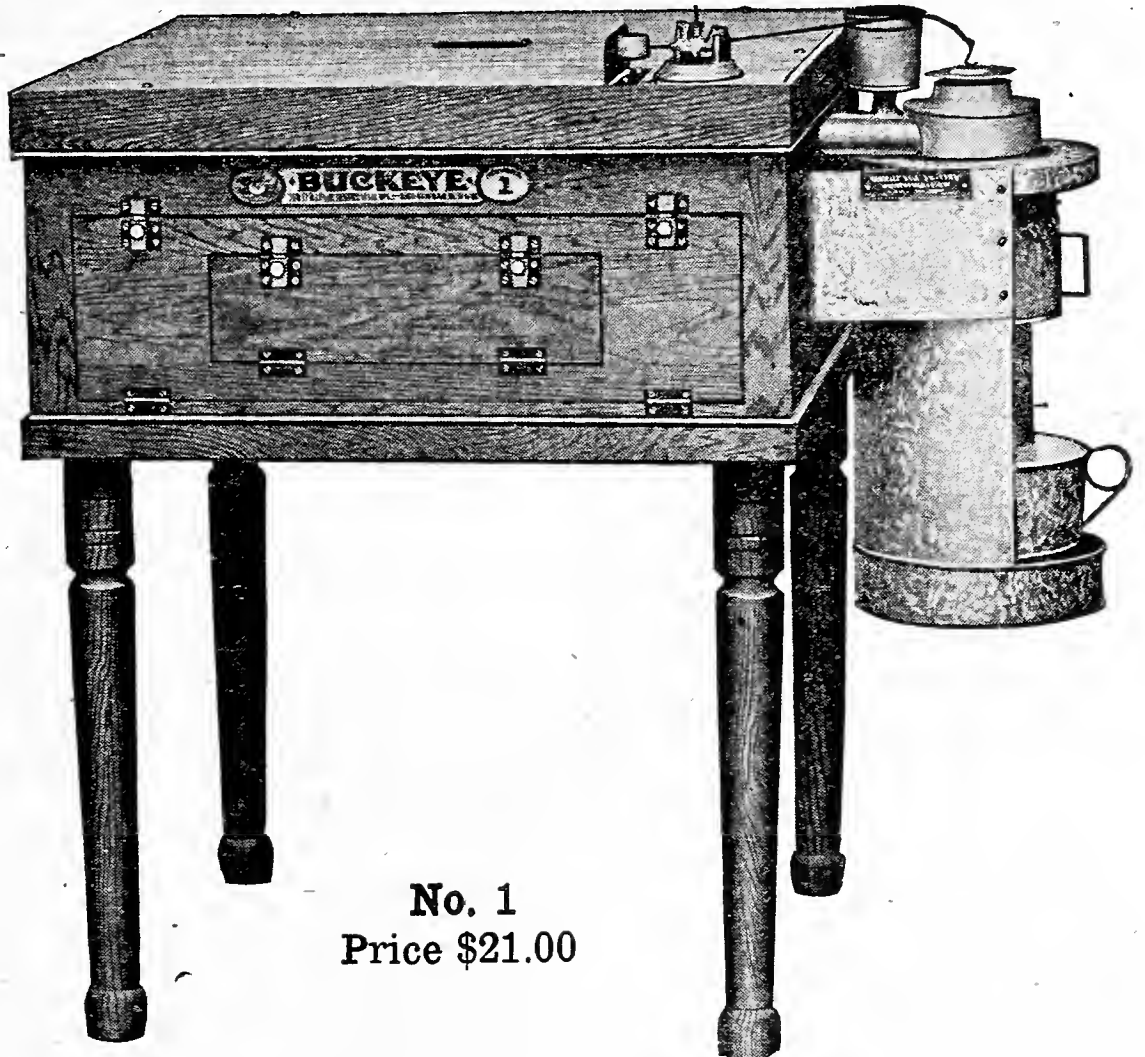
## Sold on 40 Days' Trial

With an Absolute Guarantee TO HATCH EVERY HATCHABLE EGG

### BUCKEYE PRICE LIST

No. 14, Style E—	
Capacity 60 eggs.....	\$ 8.50
No. 15, Style H—	
Capacity 60 eggs.....	11.00
No. 16, Style E—	
Capacity 110 eggs .....	15.00
No. 17, Style E—	
Capacity 200 eggs .....	19.50
No. 60, Standard—	
Capacity 60 eggs .....	15.00
No. 1, Standard—	
Capacity 110 eggs .....	21.00
No. 2, Standard—	
Capacity 175 eggs .....	26.00
No. 3, Standard—	
Capacity 250 eggs .....	33.00
No. 4, Standard—	
Capacity 350 eggs .....	38.00

On the market 26 years. Nearly half a million in successful operation. Ask for a big "Buckeye" Catalog.



No. 1  
Price \$21.00

### THE MOST WONDERFUL HATCHING DEVICE EVER INVENTED.

Whether you are a beginner or a big breeder, we want you to try a Buckeye—any of the different sizes, and see just how easy it is to produce a big strong chick from every hatchable egg. Whether you own a lot of incubators or never saw one before—you get the same guarantee and 40 days' trial. You must get a chick from every hatchable egg the first time you try it or back to the factory it goes.

Select the incubator you want—send us your order—and we will guarantee the machine you buy to hatch every hatchable egg you put in it—or better still—let us show you a Buckeye in operation and prove to you that they will hatch more chicks and better chicks than any incubator or old hen you ever owned.

Here is the guarantee we give with every Buckeye incubator regardless of size or price:

#### GUARANTEE

The Buckeye is GUARANTEED to hatch MORE CHICKS and STRONGER CHICKS than any other incubator.

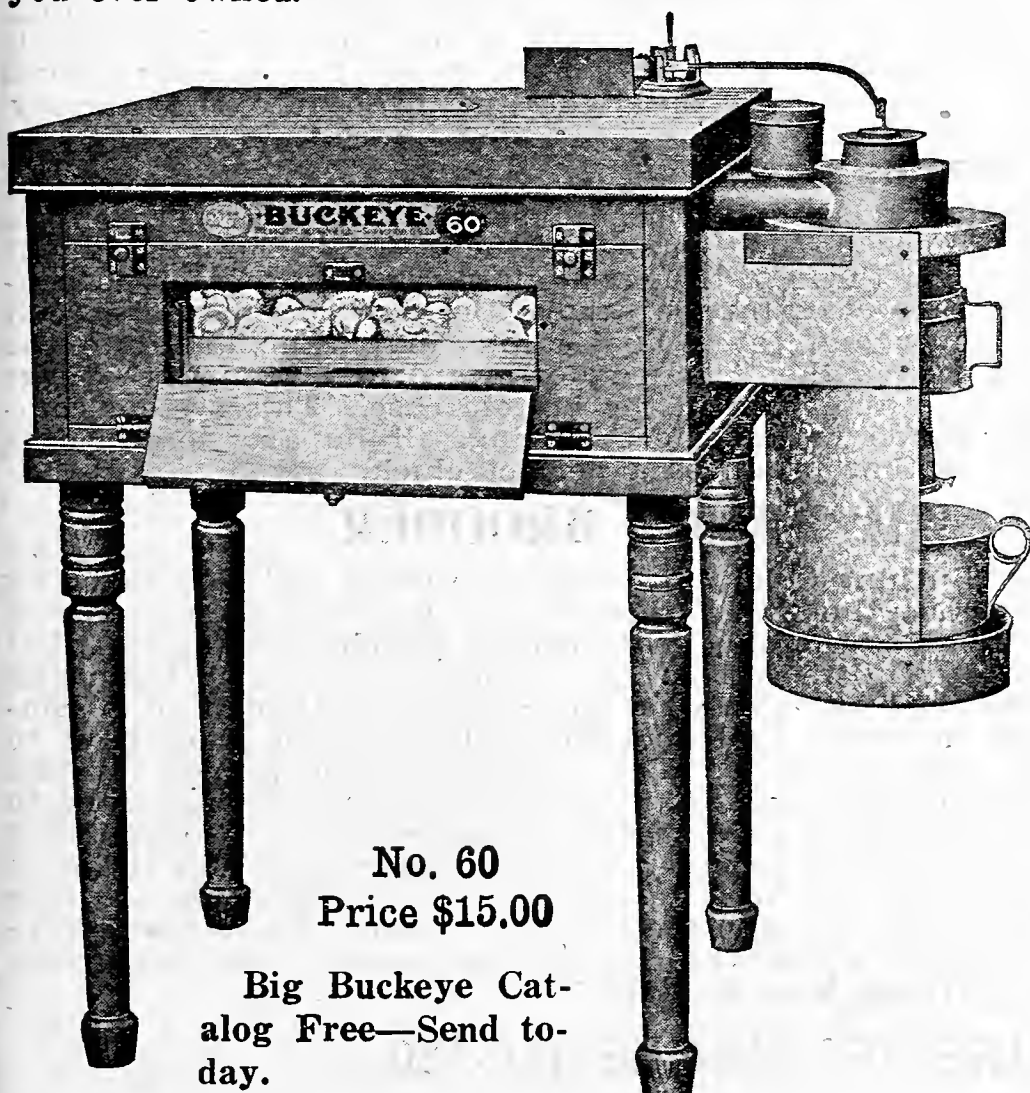
It is further guaranteed:—

To require no artificial moisture. To operate satisfactorily in any temperature down to freezing, and to require no attention to the regulator from the time a hatch is started until it is finished.

The perfect construction of all its mechanical parts is also guaranteed, and any incubator or part thereof that does not fulfill our guarantee in every particular, will be replaced without question any time within 40 days.

(Signed)

THE BUCKEYE INCUBATOR CO.



No. 60  
Price \$15.00

Big Buckeye Catalog Free—Send to-day.



# Buffalo Incubator

## THE BEST HATCHER FOR THE LEAST MONEY

In the past year or two we have had more or less calls for a hot air incubator, and as we will not sell anything we cannot guarantee we examined several makes before finding one that came up to our requirements. It is with confidence that we are now able to recommend to poultry raisers what we believe to be the best hot air incubator manufactured, THE BUFFALO. This machine is manufactured by Chas. A. Cyphers, a pioneer in incubator construction and most poultrymen are acquainted with his incubators. An old customer says: "The name 'Chas. A. Cyphers' on an incubator or brooder means quality, just as 'Sterling' does on silver."

### THE BUFFALO STANDARD INCUBATOR

The Buffalo is built to satisfy that man or woman hardest of all to please,—the poultry raiser who depends for a living on successful chicken machinery. The Buffalo is an Incubator,—and it is **all Incubator**. Every vital principle of a standard incubator is incorporated in the Buffalo. It has no equal for economy of labor and fuel, for durability, and what is of most importance, for hatching a strong and vigorous chicken from every hatchable egg.

### THE BUFFALO GUARANTEE

The Buffalo guarantee is as broad as a guarantee can be made. If after a fair trial it is not satisfactory, return it and get your money back. More than half of all the Buffalo Incubators built go to old customeres, or on their recommendation.

### BUFFALO INCUBATOR PRICES

No. 0. 60 Egg capacity..\$13.00 No. 2. 240 Egg capacity..\$23.00  
No. 1. 120 Egg capacity.. 17.50 No. 3. 360 Egg capacity.. 29.00

### BUFFALO CONSTRUCTION

In the construction of the Buffalo the material and workmanship are of the best. The walls are double and the ample space between the inner and outer case is well packed. The outer casing is of galvanized steel and will not rust. Immediately beneath the steel is a pulp-board lining then the packing, finished on the inside with indurated fibre board. This makes an air tight case, substantial and warm, indestructible and fire-proof, equal to that of the most expensive, and just as lasting. The front is made of Brown Ash, finished natural. In addition to the glass door, which permits the easy reading of the thermometer without chilling the egg chamber the Buffalo has an outer paneled door to darken the hatching chamber and to preserve the heat.

### WELL FINISHED

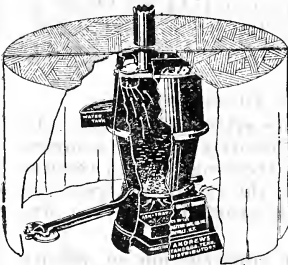
The Buffalo is a well finished machine. Don't get the idea that because of the low price it is poorly finished and cheaply built. Nothing could be farther from the truth. In workmanship, in material and finish the Buffalo is equal to the highest priced standard. There is nothing cheap about it but the price.

### DOUBLE DOOR AND NURSERY

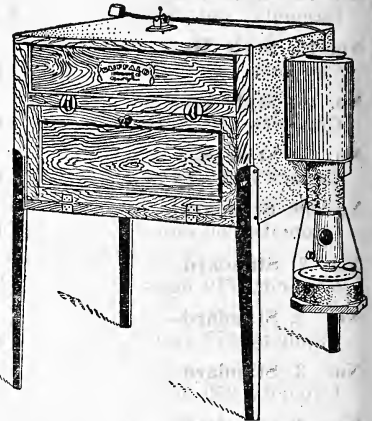
Experiments have proven conclusively that the chicks should be left on the tray until the hatch is all over. Dropping off the tray before the hatch is cleaned up lowers the temperature on the tray, and injures the chances of the chicks that are late coming out; while the wet chicks get chilled in the lower temperature of the nursery, and bowel trouble sets in early after hatching. The double door makes a dark hatching chamber, in which the chicks do not pile up. They will stay where they hatch until all are dry, when the outer door may be lowered, the guard removed from the tray, and the chicks allowed to work forward to the light and drop into the nursery. The double door also makes a warmer front.

### DIFFUSIVE HOT AIR PRINCIPLE

The diffusive principle of heating and ventilating is employed, because this system has proven the best. The lamp fumes do not enter the incubator. The pure air is heated as it passes up through the fresh-air flue of the heater, is conducted into a separate compartment above the egg chamber, where it is evenly diffused over and through a porous diaphragm, and into the hatching chamber. It is then carried downward and around the eggs and through a porous diaphragm in the bottom case. This system combines perfect ventilation with perfect heating. It imparts to the eggs that mellow warmth that produces a perfect chick.



Sectional view showing the superior method of ventilation and the disposition of surplus heat. Excess heat is released right into the smoke stack—not into the room. This gives variation between room and hover temperatures—a condition absolutely necessary for preserving the vitality of little chicks.



## THE DANDY BROODER

The Dandy Coal Burning Colony Brooder is designed and distributed by the O. B. Andrews Co., the world's largest and foremost manufacturers of poultry supplies. It is the only coal burning brooder we know of that has provided moisture with heat. The principal of the coal burning brooder is a good deal the same as the Standard although it is considerably different in design and operation. The top does not have to be raised with a rope and pulley. The cover is flat and hinged through the middle so that one motion of the hand is all that is necessary to raise it. The stove is supplied with a thermostat that works easily and smoothly, keeps the right temperature automatically. Two air holes supply sufficient air for the fire at all times. The asbestos top prevents radiation into the room. It is 52 inches in diameter. We advise everyone to get a moisture pan with the brooder, as you will have much better results. Price \$15.00, Moisture Pan 50c extra.

**BEE SUPPLIES SEE PAGES 119-120**



# International Sanitary Hovers

The International Sanitary Hovers have stood every climatic test from Panama to Quebec. Practical poultrymen, state experiment stations, and poultry dealers endorse them. You can raise chicks anywhere with International Sanitary Hovers. No specially constructed houses are necessary. There is no place better than in your regular hen houses. Sanitary Hovers are as practical for the small back-yard poultry raiser as for the large poultry farms. They are ready for business wherever placed. No crowding or smothering chicks—no kneeling in mud to get at the lamp. You want the best brooding device you will get it in the Sanitary Hovers. Price, \$1.50 each; by express or freight.



INTERNATIONAL SANITARY HOVER

(Patented July 4, 1916)

## THE MOST REMARKABLE COAL BURNING BROODER EVER INVENTED

Self-Feeding, Self-Regulating, Simple, Safe, Everlasting

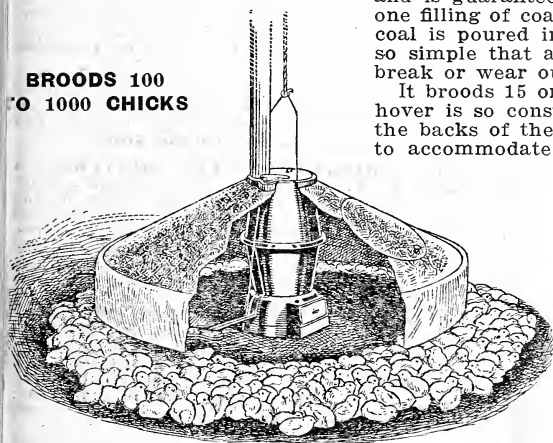
**GUARANTEED OPERATING COST LESS THAN SIX CENTS A DAY**

**Saves Labor, Time and Money**

This type of brooder can be satisfactorily operated in any locality or under any conditions. The specially built coal-burning stove for brooding purposes is self-regulating. The whole apparatus as one adjustable nut and not even a thermometer is necessary. It burns hard coal, is self-feeding and is guaranteed to run more than 24 hours in any weather on one filling of coal at an average cost of less than 6c per day. The coal is poured in at the top of the stove. It is fire-proof, and is so simple that a boy or girl can operate it. There is nothing to break or wear out.

It broods 15 or 1000 chicks with the same uniform results. The hover is so constructed as to throw the heat from the stove over the backs of the chicks. It is 52 inches in diameter. Guaranteed to accommodate 1000 newly hatched chicks.

The air is always pure and fresh. There is no damper or valve of any kind between the smoke stack and the fire draft. It is controlled by an ingenious device that makes them unnecessary. The fresh air is provided by the automatic action of the draft on the stove. All the air passes through the stove and is drawn in at the bottom so that the atmosphere under the hover is continuously changing. There is an opening at the top of the hover which is never closed so that any of the foul air arising from the chicks is carried off immediately. This brooder is sold on a 30 days' free trial. You write your own money back guarantee. Write for illustrated catalog. Price, \$16.00; by express or freight.

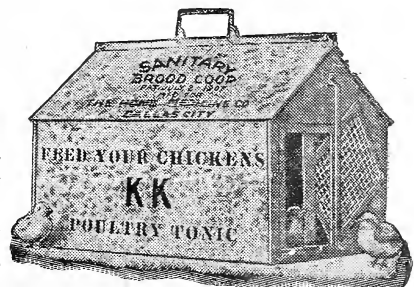


**BROODS 100  
OR 1000 CHICKS**

Showing a Standard Colony Brooder in Operation  
with 1050 Chicks

## Sanitary Brood Coop

Made of galvanized iron, it is mite, rat, weasel, mink and skunk proof. It can be taken down and put up in 40 seconds, the bottom can be removed for cleaning without taking the coop apart. It has three doors hung on one pivot; the first a slat door which lets the chicks out; the second, of one-half inch wire netting, for use on hot nights; the third is of solid iron for cold and stormy weather. The coop is well ventilated but is entirely rainproof. It is approximately 18x24 inches square and 16 inches high. It can be carried with one hand to any convenient location. Price, each \$1.60; 6 for \$8.50; by express.





# Lincoln Brand Poultry Feeds

Our Lincoln Brand Poultry Feeds are economical to use because they contain only good clean seeds and grains mixed in the proper proportions to make balanced rations for your birds at every age. That will help your baby chicks grow rapidly, developing strong constitutions and grow into splendid pullets and cockerels. For full grown stock you must supply feeds that will not only nourish their bodies but also enable them to lay eggs. Corn alone makes fat, but very few eggs. Use Lincoln Brand Feeds for the "Full Egg Basket." The formulas used in our poultry feed mixtures are recommended by the Poultry Department of the Nebraska State Experiment Station. We maintain our standard of quality regardless of market changes and prices of grain.



## LINCOLN BRAND CHICK FEED.

This feed we placed on the market several years ago and our trade has continually increased until we now sell it in car load lots. This feed is made of the sweetest, purest and cleanest cracked grain and seeds of a uniform size and mixed in the proper proportions for the best results for small chickens. The grains we use in this mixture cost more than are ordinarily used as they are specially cracked and cleaned. Feed this for the first few weeks. Always give your chickens plenty of fresh water. 7 lbs. 25c; 50 lbs. \$1.65; 100 lbs. \$3.25.

**BUTTERMILK STARTING FOOD.** A ready prepared food for baby chicks, composed of hulled oats, wheat middlings, wheat, corn, prepared Buttermilk, bone, iron sulphate, gentian root and prepared mustard proportion. Buttermilk Starting Food supplies Buttermilk to the chicks in dry form with only the water eliminated. Supplies all the needs of the chick—except for grit and fine drinking water—until one week old; then add green food. In the second week begin supplying animal food, also Lincoln Brand Chick Feed in litter to induce exercise and gradually prepare the chicks for the change in feed later on. Feed Buttermilk Starting Food by mixing with small amount of water until crumbly but not pasty or sloppy. 3 lbs. 25c; 6½ lbs. 50c; 14 lbs. \$1.00; 100 lbs. \$6.00.

**LINCOLN BRAND DEVELOPING FEED.** Has no equal for growing chickens. It is a mixture of small and cracked grains and seeds mixed in the proper proportions for the most rapid growth of poultry. Should be fed as soon as chicks get too large to feed Lincoln Brand Chick Feed. 7 lbs. 25c; 50 lbs. \$1.30; 100 lbs. \$2.50.

**LINCOLN BRAND SCRATCH FEED.** This can be used to follow Lincoln Brand Developing Feed. It consists of eight to twelve different kinds of seeds and grains. It contains no oyster shell or grit, no waste material. The fowl always finds something tempting for which to scratch. Keep the hens busy with Lincoln Brand Feeds and you will not lack eggs. 7 lbs. 25c; 50 lbs. \$1.30; 100 lbs. \$3.50.

**LINCOLN BRAND LAYING MASH.** A high protein mash for laying hens. It consists of six or eight ground grains with a good proportion of meat scraps mixed in the right proportions for the best results. It is the finest mixture we can prepare regardless of price. Is highly recommended by the State Poultry Experiment Station. Should be fed in connection with the Lincoln Brand Scratch Feed and kept before them in a hopper of easy access at all times. Be sure and give your laying hens plenty of fresh water. 7 lbs. 25c; 50 lbs. \$1.30; 100 lbs. \$2.50.

**LINCOLN BRAND MIXED PIGEON FEED.** We use as much care in preparing this mixture as in the Lincoln Brand Chick and Hen Feeds. It is composed of bright, plump grains and seeds especially prepared for pigeons and squabs. It contains field peas, wheat, kaffir corn, cracked corn, buckwheat, etc. It is rich in protein and will quickly develop growing squabs, forms nice, white meat. It is also a splendid feed for humming pigeons as it is rich in muscle and strength building material. 6 lbs. 25c; 50 lbs. \$1.55; 100 lbs. \$3.00.

**MEAT MEAL** is a concentrated food similar to meat scraps but more finely ground and not quite as high in protein. In the meat meal we sell there is abso-

lutely no adulteration and the analysis will be found uniform throughout. 7 lbs. 25c; 50 lbs. \$1.65; 100 lb. sack \$3.15.

**MEAT SCRAPS.** For laying hens may be mixed one part meal scraps to three parts crushed grain, bran or shorts. Wet with hot water, or skimmed milk, preferred. Feed night and morning. 5 lbs. 25c; 50 lbs. \$2.00; 100 lbs. \$3.85.

**BLOOD MEAL.** This is pure, rich, dried blood. Very fine for incubator chicks, as it prevents loss from breaking down or leg weakness. Good to start hens laying. Feed one part blood meal to fifteen parts of mash. 5 lbs. 25c; 50 lbs. \$2.15; 100 lbs. \$4.00.

**ALFALFA MEAL.** Made from green, kiln-dried alfalfa hay and is 2 to 3 times more valuable than clover meal. Good for chickens or stock. 10 lbs. 25c; 50 lbs. 90c; 100 lbs. \$1.65.

**ALFALMO MEAL.** Same as alfalfa meal except that it is mixed with syrup, a decided addition. 10 lbs. 25c; 50 lbs. 90c; 100 lbs. \$1.65.



**CRY-S-CO.** A shell producer and grit in one. It is the crystalized molluscan shell formation or petrified shell, nature's own product, and is mined and crushed coarse, medium and fine for the great American hen. 17 lbs. 25c; 50 lbs. 50c; 100 lbs. 85c.

**CRUSHED SHELLS.** If you expect your hens to lay eggs you must furnish them with something to make shell. 17 lbs. 25c; 50 lbs. 50c. Clam shells, 75c per 100 lbs.; Oyster shells, 85c per 100 lbs.

**POULTRY BONE** should be kept before poultry of all classes, at all times, especially where egg production is desired. They will be the best judges as to the amount they want. Young chickens should be permitted to get it at their pleasure. Large, medium chick and meal. 6 lbs. 25c; 50 lbs. \$1.75; 100 lbs. \$3.35.

**CRYSTAL GRIT.** Not only your large fowls, but your small chickens must have grit. Most so-called chicken cholera is simply indigestion caused by lack of grit with which to grind the food. Large, medium and chick. 17 lbs. 25c; 50 lbs. 60c; 100 lbs. \$1.00.

**GRISWOLD'S CHICKEN PASTURE MIXTURE.** A Cheap Green Feed for Chickens. This will fill a long-felt want. Many poultry raisers have been asking for something that will make an abundance of good green feed, as they do not have permanent pastures. Many do not have sufficient acreage, but wish to sow something that will provide some good nutritious green feed. There are plots of ground close to your chicken houses and yards that can be utilized very profitably for growing this splendid feed. The following are some of the seeds that constitute the mixture: Rape, Spinach, Kale, Cow Peas, Soy Beans, Teosinte, Japanese Millet, Speltz, Rye, etc. Price, postpaid, lb. 15c. By freight, lb. 10c; 5 lbs. 35c; 10 lbs. 75c 14 lbs. \$1.00; 100 lbs. \$6.00.



**CHARCOAL.** This is a most excellent ingredient to mix with mash. 5c per lb.; 6 lbs. 25c; 50 lbs. \$1.35; 100 lbs. \$2.50.

**TOBACCO DUST.** Sprinkle it around the chicken house and nest. It keeps away the lice. 10c per lb.; 5 lbs. 35c; 10 lbs. 50c; 100 lbs. \$4.00.

**SULPHUR.** 10c per lb.; 3 lbs. 25c. Ask for prices in large lots.

Ask for Prices of Unmixed Grains. We Deliver in City Limits of Lincoln

PRICES SUBJECT TO MARKET FLUCTUATION IN VALUE



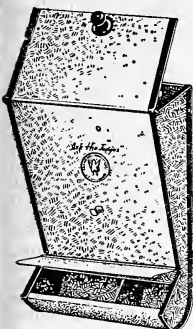
# Poultry Supplies—Continued

## RECTANGULAR GRIT AND SHELL BOX



Owing to the construction of this grit and shell box. It is preferred by many because the dust and straw cannot get into the trough as readily as in some other styles. All material used in making this line of drinking fountains and feeders is best 28-gauge galvanized steel unless otherwise specified. All turned edges are painted to preserve the life of feeder or fountain. Price 65c.

## ROUND-BOTTOM TWO-COMPARTMENT DRY-FEED HOPPER



The round bottom of this feed hopper will feed dry mash or beef scraps more readily and cannot clog. Because of this feature it is more sanitary and more acceptable. This hopper has a lid, so that it may be closed during rain and storm, which is generally desired by poultrymen. Price 85c.

## ROUND-BOTTOM GRIT SHELL AND CHARCOAL BOX

Most grit and shell boxes have square bottoms, while this grit and shell and charcoal box has a round bottom which prevents the fine particles of shell and grit clogging the corners. Can be set on floor or hung on wall, as desired. Price 70c.

## VACUUM FEED-TOP-FILL DRINKING FOUNTAIN

It works on the vacuum principle. The big jar is filled and the top then is slipped over and hooked into an eye in the drinking trough, which enables one to carry the fountain any distance without the water splashing. The main jar or reservoir allows the water to percolate into drinking font until it reaches the top of the trough. The one-gallon size sells for \$1.10. The two-gallon size sells for \$1.75.

## TWO-PIECE DRINKING FOUNTAIN

This fountain is made of heavy galvanized iron, stamped out with steel dies, assuring perfect accuracy, and is made in three different sizes. It is easy to clean, light and durable. It will not freeze and burst in winter. 1 qt. size, 30c each; 2 qt. size, 35c each; 4 qt. size, 45c each.

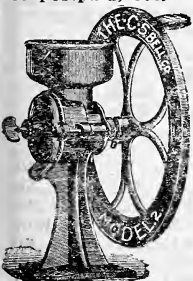
## HENFRIEND WATER FOUNT

Made of very best galvanized iron, cheap, practical and durable, protected from dirt yet easy to clean; will not drown the chicks; easy to fill and carry as a pail. Keeps the water cool in summer. Filled with hot water in the morning will not freeze during the day in cold weather. A child can fill it. Price, 2 1/2 gal. size, postpaid, 75c; not postpaid, 60c. 1 gal. size, postpaid, 60c; not postpaid, 45c; 2 gal size, postpaid, 40c; not postpaid, 30c.



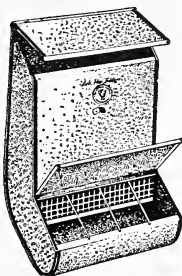
## MODEL MILL

Capacity 1/2 to 1 bushel. Similar to above. Price \$2.50. Larger size capacity 1 to 2 bushels. Price \$3.50.



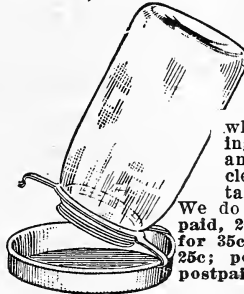
## FAVORITE DRY-MASH HOPPER

Years of experience with this type of hopper, with changes from time to time to improve it, have enabled us to put on the market a dry-mash hopper that fulfills every need. The wire grid is raised or lowered as required for coarse or fine mash. The curved bottom of the hopper always keeps the feed within easy reach of the birds. The flange at the edge prevents any possibility of waste and the small wires extending from the flange to the wire grid prevent the birds from throwing the feed sideways out of the hopper. The most distinctive feature about this Favorite Dry-Mash Hopper is the fact that it is an inch wider at the lower side than at the top, thus making it utterly impossible for the food to clog. "Ask the Judges." 12 in. 12-qt. size, \$1.25; 18-in., 18-qt. size, \$1.75; 24-in., 24-qt. size, \$2.00.



## CHICK FEEDING TROUGH

This trough is easy to fill—it keeps the chicks from crowding. It is simple and durable, being made of heavy galvanized iron. 10-inch size, 35c; 20-inch size, 55c.



## AUTOMATIC FEEDER AND FOUNTAIN

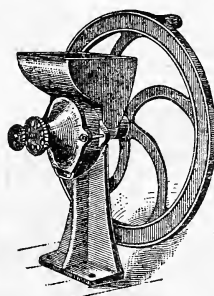
Feeds water, grain, grit etc., automatically. Is easy to fill and operate. Just lift trigger, as shown in cut, which releases pan, clip remaining on jar, leaving pan without any obstruction, affording easy cleaning. Thus a sanitary fountain. Made to fit any Mason jar.

We do not furnish jars. Price, postpaid, 20c; not postpaid, 15c; each. 2 for 35c postpaid; not postpaid, 2 for 25c; per dozen, postpaid, \$1.40; not postpaid, \$1.25.

## WALL CHICK FEEDER

The sloping top prevents the chicks from roosting on it, and a wire screen and lip on the front of feed trough prevent them from wasting the feed. May be hung on wall at any height convenient to age of growing chicks. Two sizes—10 inches long and 20 inches long, made of 28 gauge galvanized steel. Absolutely will not rust, for all reinforced turned edges are carefully pointed. The depressed ends also add to the life and durability of the feeder. 10 in. size 80c; 20 in. size \$1.05.

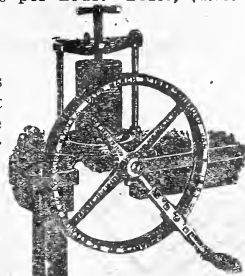
## NO. 32 HAND GRINDING MILL



In this mill are embodied all the good features of other hand grinding mills, to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is a well designed machine, is strong and well made throughout and of excellent finish, has a 16-inch fly wheel, and is light running. The capacity of this mill is not equalled by any other of the same size. Shipping weight 40 lbs. Capacity, 1 to 2 bushels per hour. Price, \$4.00.

## STEARNS' BONE CUTTER

It has automatic feed; is self-cleaning; is the fastest fine cutting machine on the market; will stand more wear and tear; is least liable to get out of order; is the Only Bone Cutter that will not clog with gristle or meat. Price \$9.00. Write for prices of larger sizes.

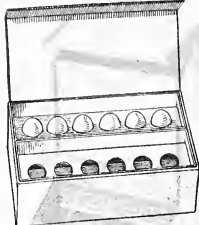




# Poultry Supplies--Continued

## Andrew's Non-Busto Elastic Egg Carrier

THE MOST SENSATIONAL IMPROVEMENT IN EGG CARRIERS EVER MADE



For the first time in history it is made practical to ship eggs by Parcels Post with perfect safety—and yet at a cost so low to show a profit to the shipper. Your egg-shipping problems are solved at last. You will see at a glance that this is the simplest, safest egg carrier ever thought of.

See the principle. It holds the egg in suspension with an air cushion around each egg. No matter how much the box is jostled, the egg is held rigid. It cannot touch the top or bottom of the box—it is held from around the center. You could not carry an egg any safer in your own hand.

Not only does it prevent breakage, but look how simple it is—how free from fussy fillers. Just simply bend the knocked down pieces along the crossed and scored lines; drop them in the box—place an inverted piece over them—tie the packages and off they go—all done in a jiffy.

No partitions in Andrews Non-Busto—it is made elastic—suitable for big eggs—adaptable to small eggs. It is built to carry the finest eggs and cheap enough for commercial eggs. It is the carrier that makes Parcel Post shipping practical. The sections are made to carry eggs in multiples of six for commercial shipping, and in multiples of five for hatching eggs. The outside box is made of the lightest, toughest, Jute board on the market. There is nothing flimsy about this carrier.

Send in your order at once for our wonderful Non-Busto Egg Carrier. If you don't say that it is the biggest improvement you have ever seen in egg carriers, send it right back and we will refund your money.

### COMMERCIAL EGG CARRIER

Sizes	Dimensions	Weights	Price Per Doz.	Three Dozen	12x12x2 1/2 inches	12x12x2 1/2 inches	Per Doz.
One Dozen	8 1/2 x 6 1/2 x 2 1/2 inches	5 1/2 lbs	\$0.50	Four Dozen	12x8x5 1/2 inches	17 lbs.	1.35
Two Dozen	12x8x2 1/2 inches	9 1/2 lbs	0.80	Five Dozen	12x10x5 1/2 inches	20 lbs.	1.60
				Ten Dozen	12x10x10 1/2 inches	39 lbs.	3.10

Packed in one dozen package, but we do not ship less than one dozen of any one size. This is our minimum shipment. Above prices not postpaid.

### HATCHING EGG CARRIER

				Per Doz.			
Sizes	Dimensions	Weights	Price Per Doz.	30 Eggs	13½x11½x 2½ inches	16 lbs.	1.89
				50 Eggs	11½x11½x 5½ inches	23 lbs.	2.40
15 Eggs	11½x 7½x 2½ inches	9 lbs.	\$1.00	100 Eggs	11½x11½x10½ inches	42 lbs.	4.50
Packed in one dozen packages, but we do not ship less than one dozen of any one size. This is our minimum shipment. Above prices not postpaid.							

Packed in one dozen packages, but we do not ship less than one dozen of any one size. This is our minimum shipment. Above prices not postpaid.

Even if you are not ready for egg carriers, just write for one as a sample, to see at first hand how wonderful this invention is. You simply cannot realize it until you see it. Sample box sent on receipt of 25c.



### LEADER ADJUSTABLE LEG BANDS

Dozen 15c; 25 for 25c; 50 for 40c; 100 for 65c; postpaid.

### CHAMPION COLORED POULTRY BAND

Be sure and state breed and sex. Made in same colors as celluloid bands. 3/8 inch wide. Single number.

Prices postpaid 12 for 25c; 25 for 45c; 50 for 80c; 100 for \$1.25.

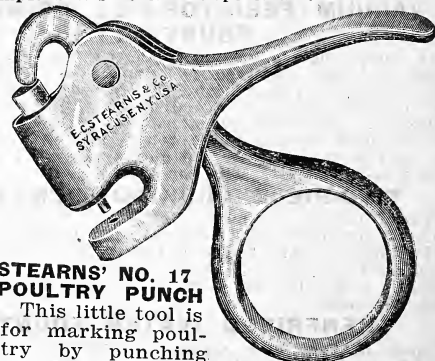
### SPIRAL CELLULOID LEG BANDS

Ten colors, blue, red, yellow, green, white, violet, pink, orange, serice, black. Poultry size. Any color. Be sure to state breed and sex.

Price postpaid: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 65c; 500 for \$2.50; 1,000 for \$4.25.

For Pigeons and Baby Chicks.

Price postpaid: 12 for 10c; 25 for 20c; 50 for 30c; 100 for 50c; 500 for \$2.00; 1,000 for \$3.75.



### STEARNS' NO. 17 POULTRY PUNCH

This little tool is for marking poultry by punching through the web between the toes. It is light and handy to carry in the pocket. Nickel plated. Price, 30c. Postpaid.



### POULTRY MARKERS

Either kind, 25c; postpaid.

### CONKEY'S POULTRY REMEDIES

Each article must satisfy or you receive your money back. Send 4c to pay postage, and get Big 50c Remedy Book Free.

Prices Postpaid	Lice Powder (small)	\$0.25
Roup Cure.....	Lice Liquid (1 quart).....	.35
Roup Cure.....	Laying Tonic.....	.30
Bronchitis Remedy.....	Laying Tonic.....	.50
White Diarrhoea Remedy.....	Fly Knocker (1 quart).....	.35
Cholera Remedy.....	By Exp. Collect	
Cholera Remedy.....	Lice Liquid (1/2 gallon).....	.60
Poultry Tonic.....	Lice Liquid (1 gallon).....	1.00
Head Lice Ointment.....	Fly Knocker (1/2 gallon).....	.60
Head Lice Ointment.....	Fly Knocker (1 gallon).....	1.00





# Miscellaneous Supplies

## MEDICATED NEST EGGS

Our Self-Dusting Medicated Nest Eggs are superior to any on the market, recommended and indorsed by a number of Agriculture Colleges. They will continually dust off onto the body of the fowls and penetrate the feathers and fluff, which is destruction of the vermin that is so prevalent among chickens. They will not glaze over or slack as will so many similar appearing nest eggs. They will last for months. Price, 7c each; 6 for 30c; postpaid. By express, 5c each; 6 for 25c.

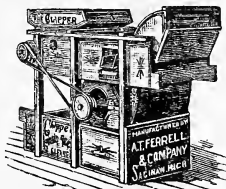
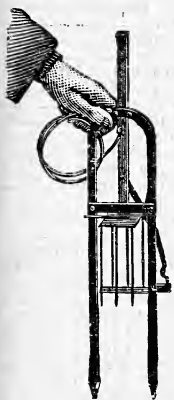
## PORCELAIN NEST EGGS

Made of Flint Glass. 6 for 25c; postpaid. By express, 2 for 8c; 40c per dozen.



## NICKEL PLATED MILKING TUBES

Use for sore and obstructed teats and hard milking cows. 2-inch, 2½-inch, 3-inch long. Price, 30c each postpaid.



## NO. 1 CLIPPER FANNING MILL

This is the small size of the fanning mill and seed separator used by all seedmen. It will separate small seed from large, take out light seed, straw and weeds all at one time. Is equipped with ten screens, will fan all kinds of grain seed. Send for large catalog of fanning mills. Price, complete, \$25.00.

## LITTLE GIANT MOLE TRAP

Most simple and best trap on the market. Fully guaranteed to give satisfaction. Price, 75c; each. Postpaid.

**POULTRY MANUAL.** By Frank L. Sewell and Ida E. Tilson. A safe guide to successful poultry culture in all its branches, fancy and practical breeding and feeding; disease and remedies; how to make farm poultry pay, etc. 12 mo. 148 pp. Price, paper, 25c. (50th thousand.)



## RAISE YOUR CALVES ON BLATCHFORD'S CALF MEAL AND SELL THE MILK

Perfect Milk Substitute. Will raise veal calves at from one-third to one-quarter the expense of feeding milk. Raises better calves and saves the milk. You can't afford not to use it. Used and indorsed by experimental stations and farmers all over the world. It is absolutely the only milk substitute that contains all the elements necessary for bodily growth in the correct proportions.

Blatchford's Calf Meal is for calves what Mellin's Food is for babies. Raises the finest calves at about half the cost of milk. Prevents scouring. Price, by freight, 100 lb. bag (makes 100 gallons of rich, nutritious gruel), \$3.75; 50 lb. bag, \$2.00; 25 lb. bag, \$1.10. Try it and sell the milk. Booklet free.

## CALF DEHORNER

This comes in the shape of a pencil and is very easily applied. Clip off the hair around the little horn at the time it feels like a button and before it starts through the skin. Dampen it a little with water, and rub it with the Dehorner material. This causes the horn to stop growing, and should be applied when the calf is from 5 to 10 days old. Enough for 25 or 30 calves, price 50c; postpaid.

**ALL OF THESE GOODS BY FREIGHT OR EXPRESS AT YOUR EXPENSE UNLESS POSTPAID PRICES ARE GIVEN.**

# SAVE YOUR CALVES

## Raise Them Without Milk

Why throw away money by knocking them in the head or selling them for a dollar or two at birth when they can be raised or vealed WITHOUT MILK at a fraction of the cost of feeding milk. You profit both ways selling the milk and still have the calves.

The Best Milk Substitute to Use is

**Ryde's Cream Calf Meal**  
TAKES THE PLACE OF MILK AT LESS THAN HALF THE COST

the most successful milk substitute on the market—the standard of perfection. Thousands of farmers are using it and cannot say enough for it. It is NOT a stock food—it's a complete food that long experience has proved to be right for rearing calves. It contains all the nutrition of milk prepared in the most digestible form and is sold on a money back guarantee to give results.

BOOKLET "MILKLESS CALVES" FREE

100 lbs. equal to 100 gallons milk—Try it on your calves.

Price of Ryde's Calf Meal Same as Blatchford's



Watertown, Wis., June 13th, 1916  
Ryde & Co., Chicago, Ill.  
Gentlemen—Above is a picture of our 4 months old calf, which I fed on Ryde's Cream Calf Meal. I followed your instructions closely. The calf can't be best  
(Signed) Alvin Beck



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# SPRAYING UNDER THE LEAVES KILLS THE INSECTS

A Cake of Tobacco Soap free with each Sprayer

PRICE  
**50<sup>c</sup>.**

FOR THE  
ROSE BUSHES  
AND  
GARDEN PLANTS

Will reach Vines  
ten feet high.

Just lovely for  
the flower bed.

If you like flower-  
ers, you need this  
Sprayer.



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INDOOR  
SPRAYING  
UNDER  
THE  
LEAVES

A mist like  
spray cover-  
ing every  
part of the plant,

## THE THING LONG NEEDED

Just what mother was long looking for.

Excellent for seeds newly sown they will  
not wash out to the surface.

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**HAVE ONE COME WITH YOUR SEEDS**

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### NU-REED

Owing to war conditions we have been unable to secure any more of the natural reed and have been forced to substitute Nu-Reed, a reed that has proven, from reports of our natural reed customers, very satisfactory. Send for samples and sizes.

Size	Ft.	Wt.		Ft.	Wt.	
No. 1—30	1 oz....	\$0.05	150	5 oz....	\$0.25	
No. 3—25	1 oz....	.05	125	5 oz....	.25	
No. 4—20	1 oz....	.05	100	5 oz....	.25	
No. 6—9	1 oz....	.05	45	5 oz....	.25	
No. 7—16	2 oz....	.10	48	6 oz....	.25	
No. 9—15	2 oz....	.10	45	6 oz....	.25	
No. 11—10	2 oz....	.10	30	6 oz....	.25	
Needles, 6 for.....						.05
Basket-making instructions, postpaid.....						.25

### RAFFIA

Colored, per skein (about 1½ oz.).....	\$0.10
Colored, 3 skeins.....	.25
Natural, per skein (about 2 oz.).....	.05
Natural, per pound.....	.30
Natural, 4 pounds.....	1.00

Prices on Reeds and Raffia are Postpaid.

## BIRD SEED

We Carry a Complete Stock of Clean, Pure Bird Seed

**CANARY (Sicily)**—Superior to all other varieties.

In demand by all bird dealers and others who desire best grade of seed. 1 pound, 15c; 2 pounds, 25c. By mail: 1 pound, 25c; 2 pounds, 40c.

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It has no odor whatever and can be used dry or dissolved in water for sprinkling. Use it and your flowers will flourish and their health will last. Small size (feeds 25 plants six months) 15c; postpaid, 20c. Large size (enough for a year) 25c; postpaid, 35c.



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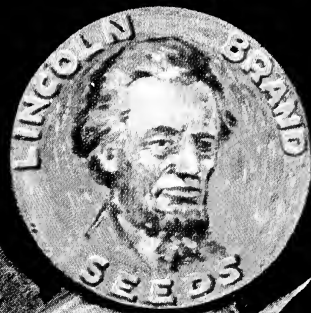
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